



Enriching Lives

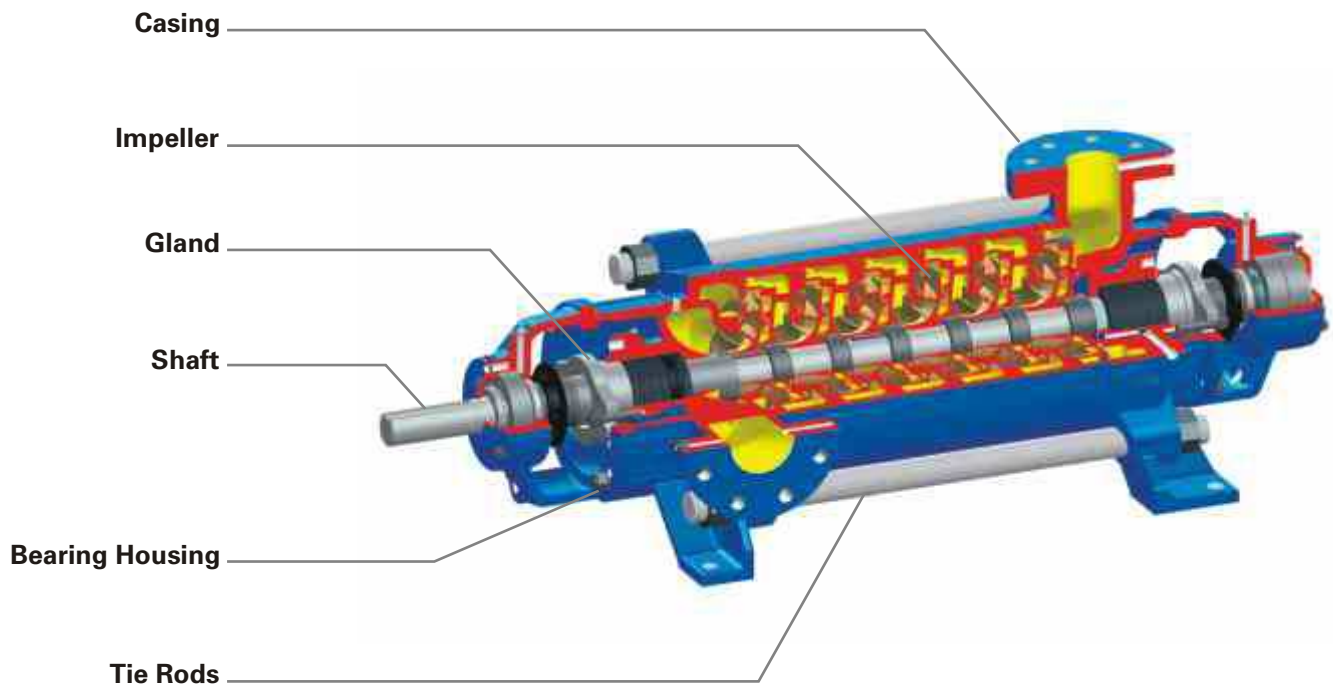
## MULTISTAGE PUMPS

*TYPE - RKB*



CE

KIRLOSKAR BROTHERS LIMITED



## RANGE

Delivery size : up to 250 mm  
 Capacity : up to 850 m<sup>3</sup>/hr  
 Head : up to 850 metres

## APPLICATIONS

Sprinkler Irrigation, Fire Fighting, Water Supply to high rise buildings, Descaling, Mine Dewatering and Boiler Feed

## FEATURES

*This pump consists of a number of ring section diffuser casings bolted suction and delivery casing. Various models are available to operate at 1450 rpm and 2900 rpm at 50 Hz power supply frequency.*

### **Casing :**

*Latest casing techniques ensure smoothness of hydraulic passages resulting in high efficiency and reliability under hazardous conditions. The delivery flange is vertical. The suction flange can be oriented left or right viewed from driving end.*

### **Impeller :**

*The enclosed impellers of the radial flow type are provided with balancing holes to balance the hydraulic axial thrust. The rotating elements are statically and dynamically balanced.*

### **Shaft :**

*The high tensile steel shaft accurately machined and ground is supported by antifriction bearings that take the residual axial thrust and prevent axial float or radial run out. The shaft is protected by shaft sleeve from wear in stuffing box area.*

### **Stuffing Box :**

*The stuffing box can be sealed by gland packing or by mechanical seal with minor modification. While pumping high temperature liquids from 90°C to 140°C, cooling jacket is provided for the stuffing box.*

### **Bearing :**

*Standard lubrication is grease. For temperature above 90°C and upto 140°C - oil lubrication is required.*

### **Direction of Rotation :**

*Standard : Clockwise viewed from driving end.*

*Optional : Anticlockwise viewed from driving end.*

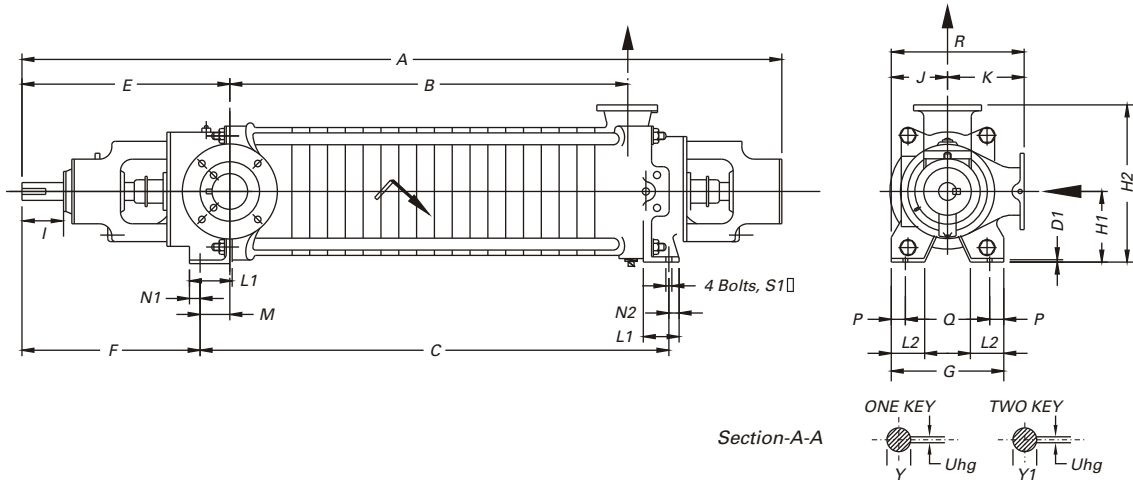
### **Drive :**

*These pumps are suitable for coupling with electric motors, I C engines or steam turbine either directly or through belt drives.*

### **Flanges :**

	Standard	Optional
Suction Flange	DIN ND - 10	ASA 125, 150 BS 4504-16/11
Delivery Flange	DIN ND - 40 or ND - 64	ASA 250, 300 or 800 BS 4504-16/11

# GENERAL DIMENSIONS



Pump Model - RKB 32-9E															
No. of Stages															
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
c/s.	50 & 60											50			
	140 rpm														
A	582	629	676	723	770	817	864	911	958	1005	1052	1099	1146	1193	1240
B	117	164	211	258	305	352	399	446	493	540	587	634	681	728	775
C	207	254	301	348	395	442	489	536	583	630	677	724	771	818	865
Wt.kg.	53	60	67	73	80	87	93	100	107	113	120	127	134	141	148
P'															

Pump Model - RKB 40-12L 40-14H															
No. of Stages															
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
c/s.	50 & 60											50			
	140 rpm														
A	631.5	686.5	741.5	796.5	851.5	906.5	961.5	1016.5	1071.5	1126.5	1181.5	1236.5	1291.5		
B	137	192	247	302	357	412	467	522	577	632	687	742	797		
C	242	297	352	407	462	517	572	627	682	737	792	847	902		
Wt.kg.	85	95	105	115	125	135	145	155	165	175	185	195	205		
P'	180														

Pump Model - RKB 50-15E/L 50-16H															
No. of Stages															
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
c/s.	50 & 60											50			
	140 rpm														
A	745	805	865	925	985	1045	1105	1165	1225	1285	1345	1405	1465		
B	160	220	280	340	400	460	520	580	640	700	760	820	880		
C	280	340	400	460	520	580	640	700	760	820	880	940	1000		
Wt.kg.	106.5	118	129.5	141	152.5	164	175.5	187	198.5	210	221.5	233	244.5		
P'	180														

Pump Model - RKB 65-19E/L															
No. of Stages															
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
c/s.	50 & 60					50					50				
	140 rpm														
A	875	951	1027	1103	1179	1255	1331	1407	1483	1559	1635				
B	206	286	358	434	510	586	662	738	814	890	966				
C	341	417	493	569	645	721	797	873	949	1025	1101				
Wt.kg.	155	175	195	215	235	255	275	295	315	335	355				
P'															

Pump Model - RKB 65-24										
No. of Stages										
	2	3	4	5	6	7	8	9		
c/s.	50 & 60									
	140 rpm									
A	1226	1296	1366	1436	1506	1576	1646	1716		
B	195	265	335	405	475	545	615	685		
C	299	349	439	509	579	649	719	789		
Wt.kg.	563	614	665	716	767	818	869			
P'										

Pump Model - RKB 100-23E/M																
No. of Stages																
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
c/s.	50 & 60					50					50					
	140 rpm															
A	996	1096	1196	1296	1396	1496	1596	1696	1796	1896						
B	260	360	460	560	660	760	860	960	1060	1160						
C	385	485	585	685	785	885	985	1085	1185	1285						
Wt.kg.	280	320	360	400	440	480	520	560	600	640						
P'																

Pump Model - RKB 125-27 and 125-27M																
No. of Stages																
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
c/s.	50 & 60											50				
	140 rpm															
A	1089.5	1199.5	1309.5	1419.5	1529.5	1639.5	1749.5	1859.5	1969.5	2079.5	2189.5	2299.5	2409.5			
B	295	405	515	625	735	845	955	1065	1175	1285	1395	1505	1615			
C	401	511	621	731	841	951	1061	1171	1281	1391	1501	1611	1721			
Wt.kg.	319	376	433	490	547	604	661	718	775	832	889	946	1003			
P'																

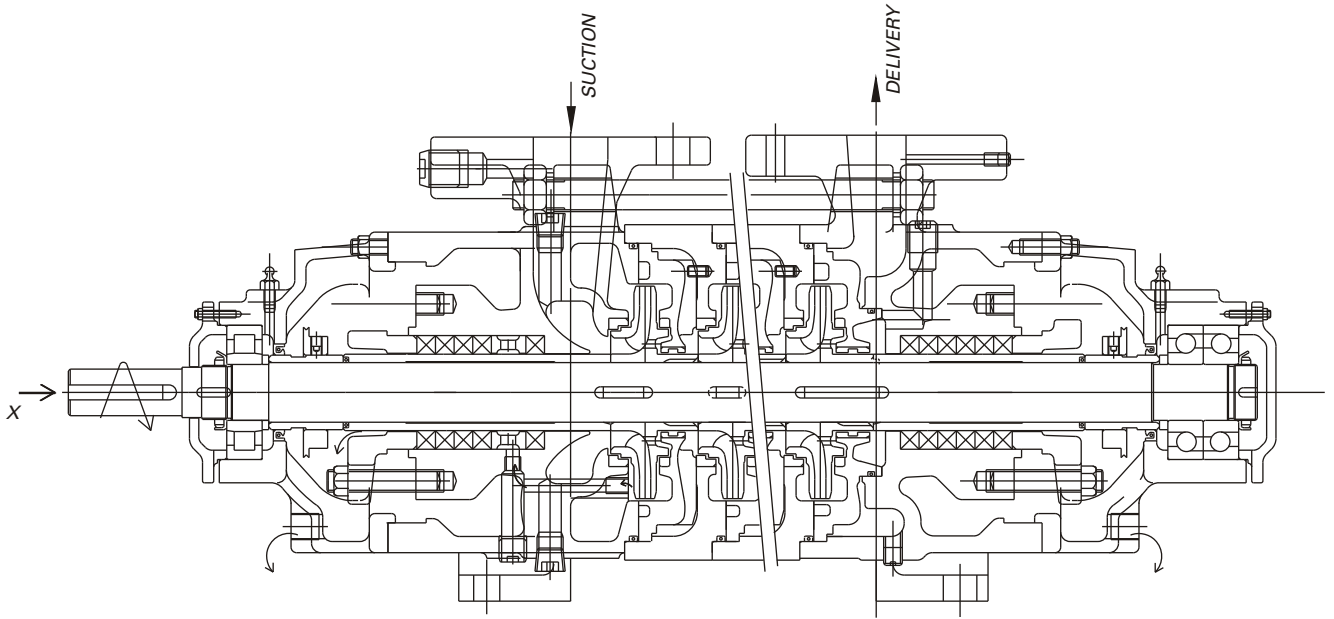
Pump Model - RKB 125-30																
No. of Stages																
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
c/s.	50 & 60											50				
	140 rpm															
A	1165.8	1285.8	1405.8	1525.8	1645.8	1765.8	1885.8	2005.5	2125.8	2245.8	2365.8	2485.5				
B	325	445	565	685	805	925	1045	1165	1285	1405	1525	1645				
C	430	550	670	790	910	1030	1150	1270	1390	1510	1630	1750				
Wt.kg.	410	484	558	632	706	780	854	928	1002	1076	1150	1224				
P'																

Pump Model - RKB 150-34																
No. of Stages																
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
c/s.	50 & 60											50				
	140 rpm															
A	1293	1428	1563	1698	1833	1968	2103	2238	2373	2508	2643					
B	365	500	635	770	905	1040	1175	1310	1445	1580	1715					
C	460	595	730	865	1000	1135	1270	1405	1540	1675	1810					
Wt.kg.	595	697	799	901	1003	1105	1207	1309	1411	1513	1615					
P'																

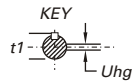
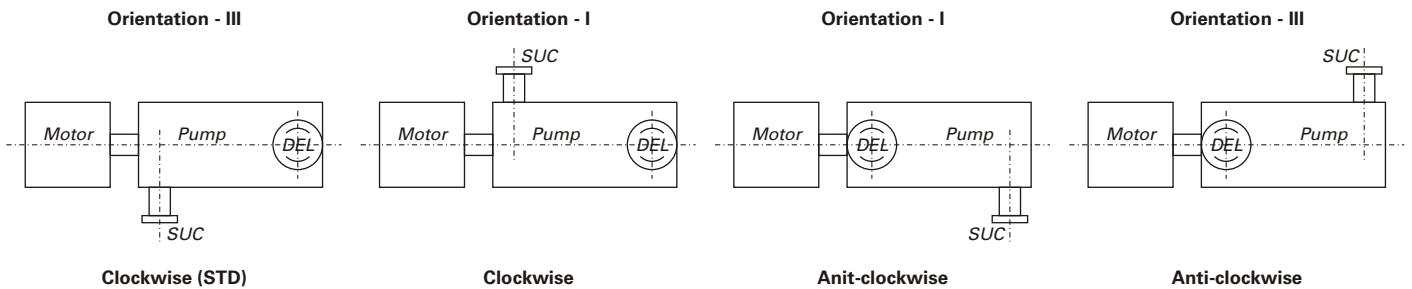
Pump Model - RKB 200-37																
No. of Stages																
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
c/s.	50 & 60											50				
	140 rpm															
A	1374	1519	1664	1809	1954	2099	2244	2389	2534	2679						
B	405	550	695	840	985	1130	1275	1420	1565	1710						
C	520	665	810	955	1100	1245	1390	1535	1680	1825						
Wt.kg.	753	893	1033	1173	1313	1453	1593	1736	1879	2022						
P'																

Pump Model - RKB 32-14H															
No. of Stages															
	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
c/s.	50 & 60														
	140 rpm														
A	524	567	610	653	696	739	782	825	868	911	954	997	1040	1083	
B	114	157	200	243	286	329	372	415	458	501	544	587	630	673	
C	264	307	350	393	436	479	522	565	608	651	694	737	780	823	
Wt.kg.	75	84	93	102	111	120	129	138	147	156	165	174	183	192	
P'															

# CROSS-SECTIONAL VIEW



## ORIENTATION / ROTATION



## MOUNTING DETAILS

Pump Dimensions																																			
Sr. no.	Pump Type	SUC	DEL	E	F	N1	L1	H1	H2	T Thk	J	K	R	G	Q Crs	N2	L2	No. of holes S1	d10	Shaft Details					SUC. Flanges				DEL. Flanges						
																				Do	U hg	I	t1	Y1	PN10			PN40		PN64					
																									S	d0	F	T2	T1 Thk	S'	d'0	F'	S'	d'0	F'
1	RKB 32-9E	40	32	269.5	209.5	15	60	112	252	14	105	140	245	210	180	15	60	4	14	25j6	8	60	28	-	4	18	110	18	23	4	15	100	-	-	-
2	RKB 40-12L	50	40	274	218	15	60	125	275	14	130	150	280	260	230	18	60	4	14	30k6	8	60	33	-	4	18	125	20	23	4	18	110	-	-	-
3	RKB 50-15E/L	65	50	330	265	20	70	135	315	15	140	180	320	280	240	20	65	4	19	35k6	10	80	38	-	4	18	145	20.5	25	4	18	125	-	-	-
4	RKB 65-19E/L	80	65	393	326	20	70	180	380	15	180	200	380	360	315	20	70	4	19	40k6	12	110	43	46	8	18	160	21	33	8	18	145	8	22	160
5	RKB 65-24	80	65	565	464	15	100	250	550	25	230	300	530	460	360	45	100	4	24	60m6	18	90	64	68	8	18	160	51	33	8	18	145	8	22	160
6	RKB 100-23E	125	100	407	327	30	80	215	490	18	205	275	480	420	360	30	80	4	24	45k6	14	110	48.5	52	8	18	210	26	38	8	22	190	8	26	200
7	RKB 125-27	150	125	435.5	379.5	40	100	250	565	25	245	315	560	490	400	40	100	4	24	50k6	14	110	53.5	57	8	22	240	28	45	8	26	220	8	30	240
8	RKB 125-30	150	125	453.8	404.9	40	100	280	630	25	250	350	600	530	440	40	100	4	26	55m6	16	110	59	63	8	22	240	28	45	8	26	220	8	30	240
9	RKB 150-34	200	150	511.5	476.5	40	100	300	700	25	278	400	678	550	460	40	100	4	26	60m6	18	140	64	68	8	22	295	30	55	26	250	8	33	280	
10	RKB 200-37	250	200	537	497	40	110	350	850	28	320	500	820	630	550	40	110	4	26	65m6	18	140	69	73	12	22	350	32	54	12	30	320	12	36	345
11	RKB 250-46	300	250	781	790	40	65	450	1050	48	400	600	1140	790	650	70	140	4	42	90m6	25	170	100	100	16	33	450	48	50	12	33	450	-	-	-

All dimensions are in mm

# MATERIALS

## MATERIAL OF CONSTRUCTION

Casing Suction / Discharge / Stage	Cast Iron / Cast Steel / Stainless Steel / Duplex Steel
Impeller	Cast Iron / Bronze / Phosphor Bronze / Cast Steel / Stainless Steel / Chrome Steel / Duplex Steel
Diffuser	Cast Iron / Bronze / Phosphor Bronze / Cast Steel / Stainless Steel / Chrome Steel / Duplex Steel
Casing wear Ring	Cast Iron / Bronze / Steel
Shaft	Carbon Steel / Stainless Steel
Shaft Sleeve	Stainless Steel / Bronze

## MATERIAL STANDARDS

Material Type	Indian Standard (IS)	American Standard (ASTM)	DIN
<b>Cast Iron</b>			
Cast Iron	IS 210 Gr. FG 260	ASTM A48 Class 40	(0.6025)DIN 1691 GG25
<b>Spheroidal Graphite Cast Iron</b>			
SG Iron (Ductile Iron)	IS 1865 Gr 400/15	A536, 60-40-18	(0.7040)DIN1693 GGG40
SG Iron (Ductile Iron)	IS 1865 Gr 500/7	A536, 65-45-12	(0.7050)DIN1693 GGG50
<b>Carbon Steel</b>			
Carbon steel (Wrought)	IS 1570 (part II) Gr. 40C8	ASTM A107 Gr. 1040	(1.1186)C40E/CK40
Carbon steel (Wrought)	IS 1570 (part II) Gr. 20C8	ASTM A107 Gr. 1020	(1.0402)C22
MS Steel	MS IS 2062 - Fe 410 W A	ASTM-A283 GR.D	DIN 1700 GR ST4-2 FABRICATED STEEL44
<b>Cast Steel Grades</b>			
Cast Steel		ASTMA 216 Gr. WCB	1.0619(GS-C25)
<b>Cast Stainless Steel</b>			
Stainless Steel CF8M	IS 3444 Gr. 4	ASTMA 351 Gr. CF8M	1.4408(GX5CrNiMo19-11-2)
Stainless Steel CF8M	IS 3444 Gr. 4	ASTMA 743 Gr. CF8M	1.4408(GX5CrNiMo19-11-2)
Stainless Steel CF3M	IS 3444 Gr. 16	ASTMA 351 Gr. CF3M	1.4409(GX2CrNiMo19-11-2)
Stainless Steel CF3M	IS 3444 Gr. 16	ASTMA 743 Gr. CF3M	1.4409(GX2CrNiMo19-11-2)
Stainless Steel CF8	IS 3444 Gr. 1	ASTMA 351 Gr. CF8	1.4301(X5CrNi18-10)
Stainless Steel CF3	IS 3444 Gr. 15	ASTMA 351 Gr. CF3	1.4306(X2CrNi19 11)
<b>Cast Chromium Stainless Steel</b>			
Stainless Steel CA15	IS 3444 Gr. 10	ASTMA 217 Gr. CA15	1.4106&1.448(DIN17445 GX12Cr14)
Stainless Steel CA15	IS 3444 Gr. 10	ASTMA 743 Gr. CA15	1.4106&1.448(DIN17445 GX12Cr14)
Stainless Steel CA6NM	IS 3444 Gr. 24	ASTMA 487 Gr. CA6NM	1.4313&1.4317(GX5CrNiMo13-4)
Stainless Steel CA6NM	IS 3444 Gr. 24	ASTMA 743 Gr. CA6NM	1.4313&1.4317(GX5CrNiMo13-4)
<b>Chromium Stainless Steel Round Bar Material</b>			
Stainless steel 410	IS 1570 (part V) Gr. X12Cr12	ASTMA 276 type 410	1.4006(X10Cr13)
Stainless steel 420	IS 1570 (part V) Gr. X20Cr13	ASTMA 276 type 420	1.4021(X20Cr13)
Stainless steel 431	IS 1570 (part V) Gr. X15Cr16Ni2	ASTMA 276 type 431	1.4057(X20CrNi17)
Stainless steel 316	IS 1570 (part V) Gr. X04Cr17Ni12Mo2	ASTMA 276 type 316	1.4401(X5CrNiMo17122)
Stainless steel 316L	IS 1570 (part V) Gr. X02Cr17Ni12Mo2	ASTMA 276 type316L	1.4404(X2CrNiMo1810)
<b>Cast Duplex Steel</b>			
Duplex Steel 1A		ASTMA 890 Gr. CD4MCu	25Cr-5Ni-Mo-Cu
Duplex Steel 2A		ASTMA 890 Gr. CE8MN	24Cr-10Ni-Mo-N
Duplex Steel 3A		ASTMA 890 Gr. CD6MN	25Cr-5Ni-Mo-N
Super Duplex steel 4A		ASTMA 890 Gr. CD3MN	25Cr-7Ni-Mo-N
Super Duplex steel 5A		ASTMA 890 Gr. CE3MN	24Cr-10Ni-Mo-N
<b>Non Ferrous Materials</b>			
Bronze	IS 318 Gr. LTB2 (CuSn5Zn5Pb5C)	ASTMB 584 - C90500	DIN 1705 Rg 5
Phosphor Bronze	IS 28 Gr. 1 (CuSn11PC)		
Zinc Free Bornze	IS 28 Gr. 1 (CuSn10C)		

# ALTERNATIVES AVAILABLE

## Pump in Vertical Configuration

Pumps available in vertical execution complete with motor-stool /driving unit. Rotation anti-clockwise seen from top.

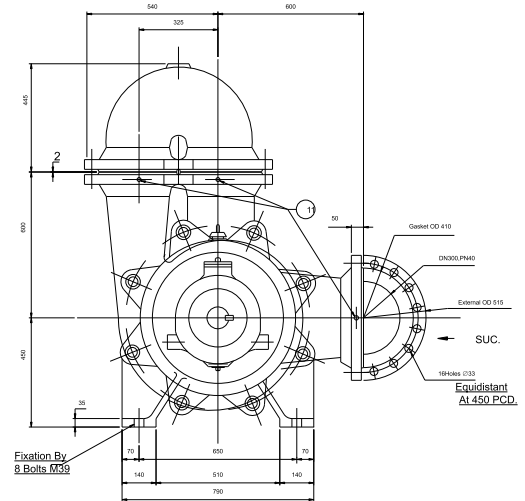
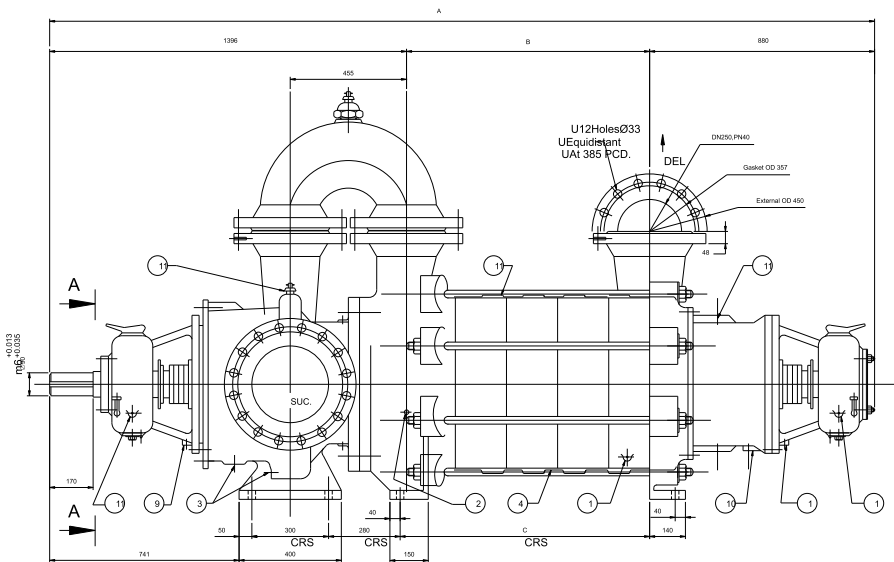


## Low NPSH Pumps

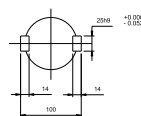
Model : RKB 250-46 DK

First Stage impeller : Double Suction

Subsequent Stages : Single Suction



- ① Del. casing drain - 1/2"BSP.
- ② Suc.casing drain - 1/2"BSP.
- ③ Pump casing drain - 1/2"BSP.
- ④ Stage casing drain - 1/2"BSP.
- ⑤ Suc & Del Pressure gauge conne- 1/2"BSP.
- ⑥ Pressure leak of water conne - 1.1/2"BSP.
- ⑦ Pump casing air vent-3/8"BSP.
- ⑧ Storage casing air vent - 3/8"BSP.
- ⑨ Gland leakage drain - 1/2"BSP.
- ⑩ Stuffing box housing NDE drain- 1"BSP.
- ⑪ Bearing housing cooling inlet & outlet-3/4"BSP.

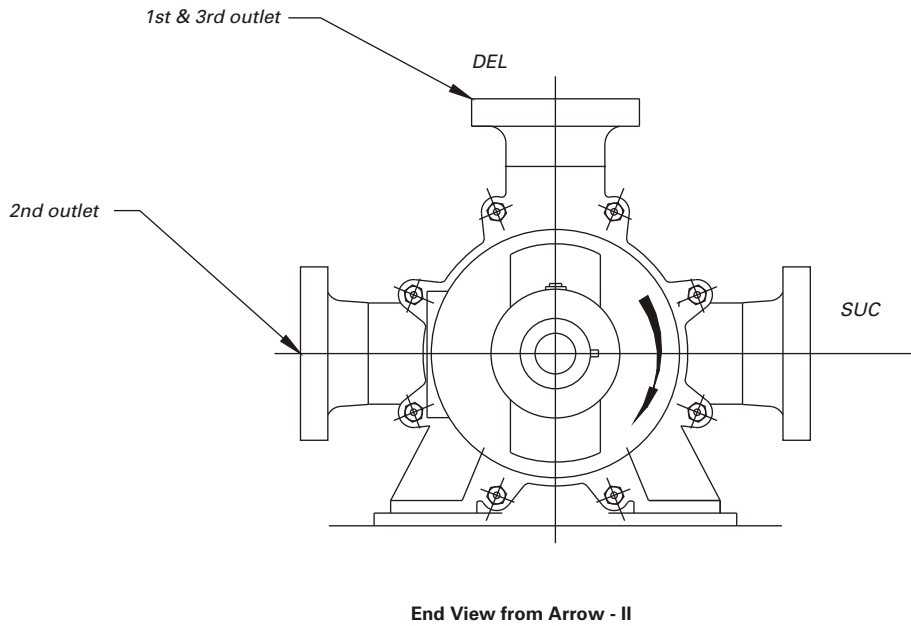
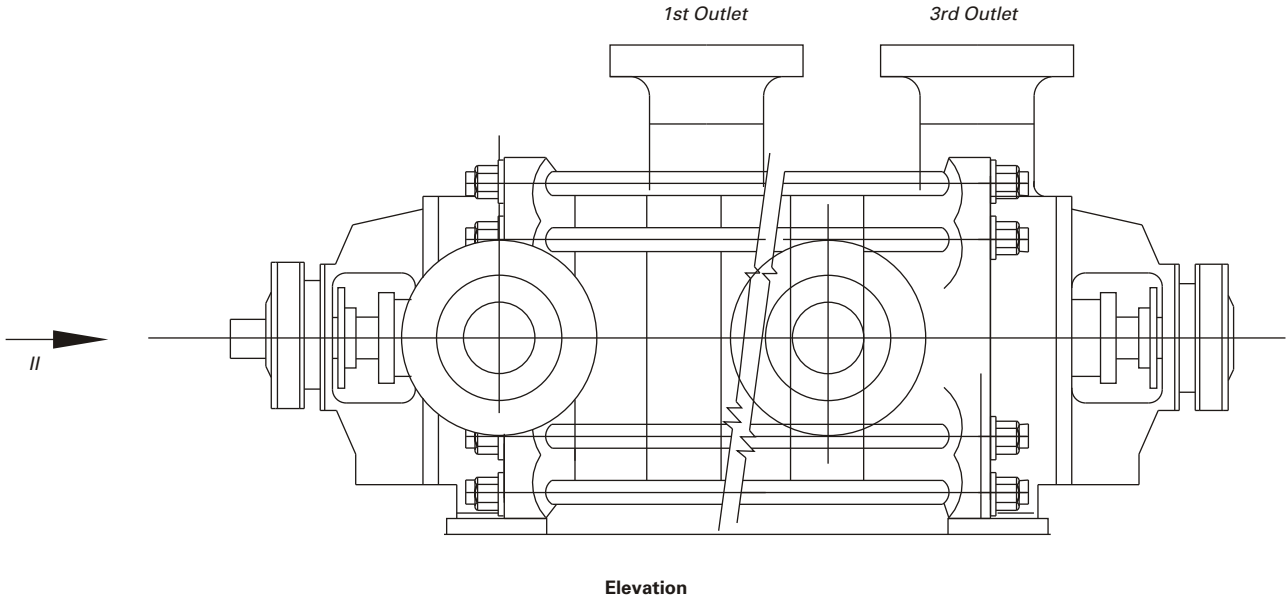


USECTION A-A

Dimensions	No. of Stages			
	2	3	4	5
A	2198	2406	2614	2822
B	535	743	951	1159
C	660	868	1076	1284
Wt. Kg.	1900	2448	2595	2942

## OUTLINE DRAWING OF RKB MULTI-OUTLET PUMPS

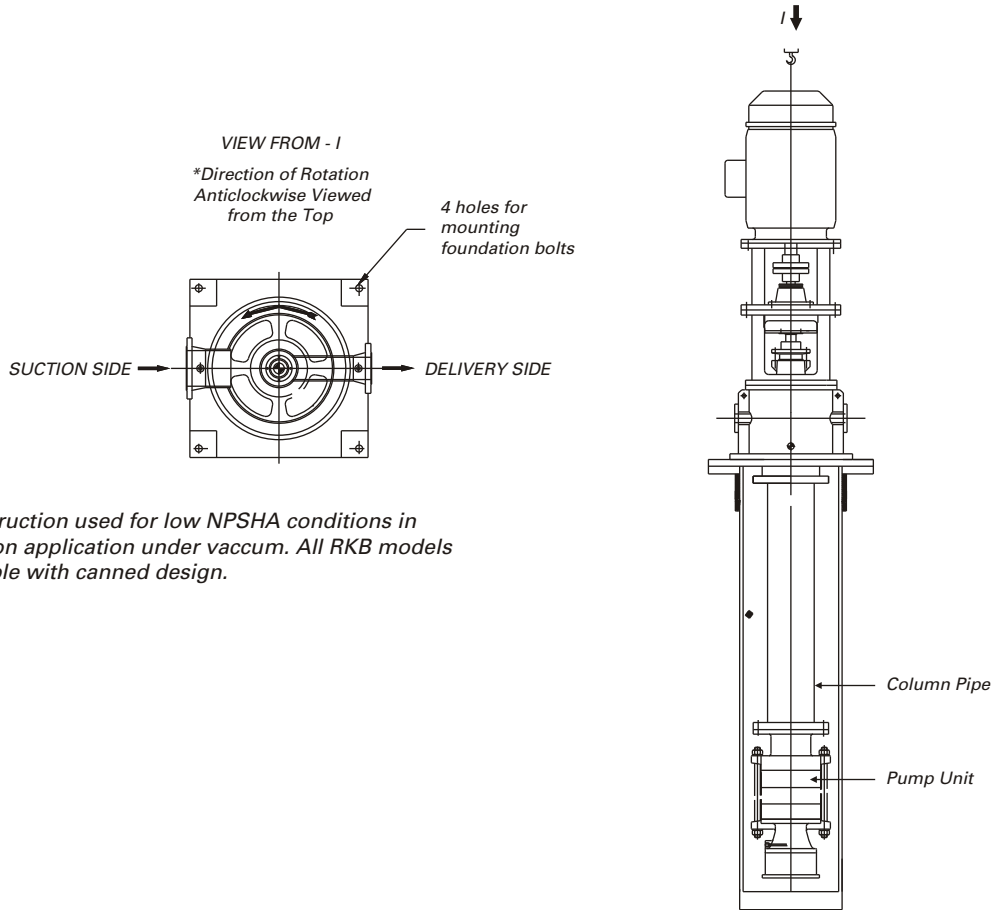
RKB Multi-outlet arrangement is normally used when capacity is fixed and total head changes time to time, without disturbing the pump's internals. Available with option of two or three outlets depending upon the requirement.





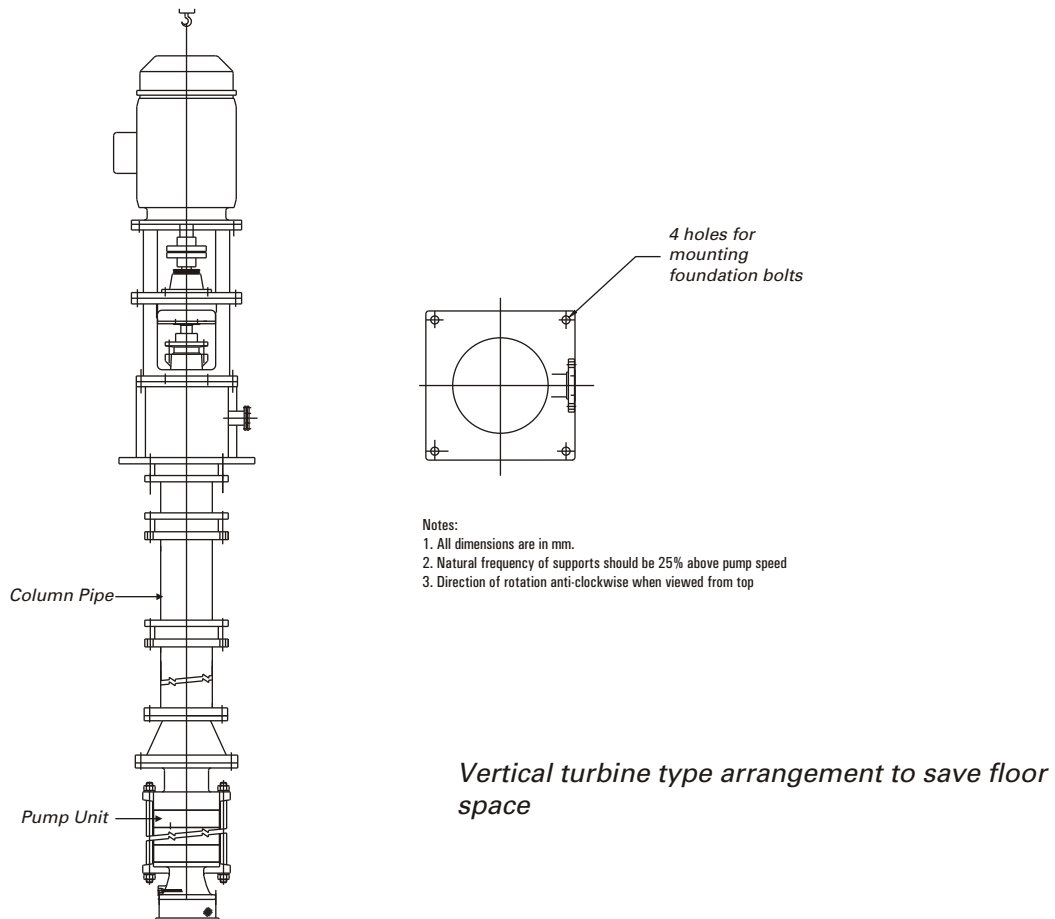
# OUTLINE DRAWINGS

## RKBCV Pump



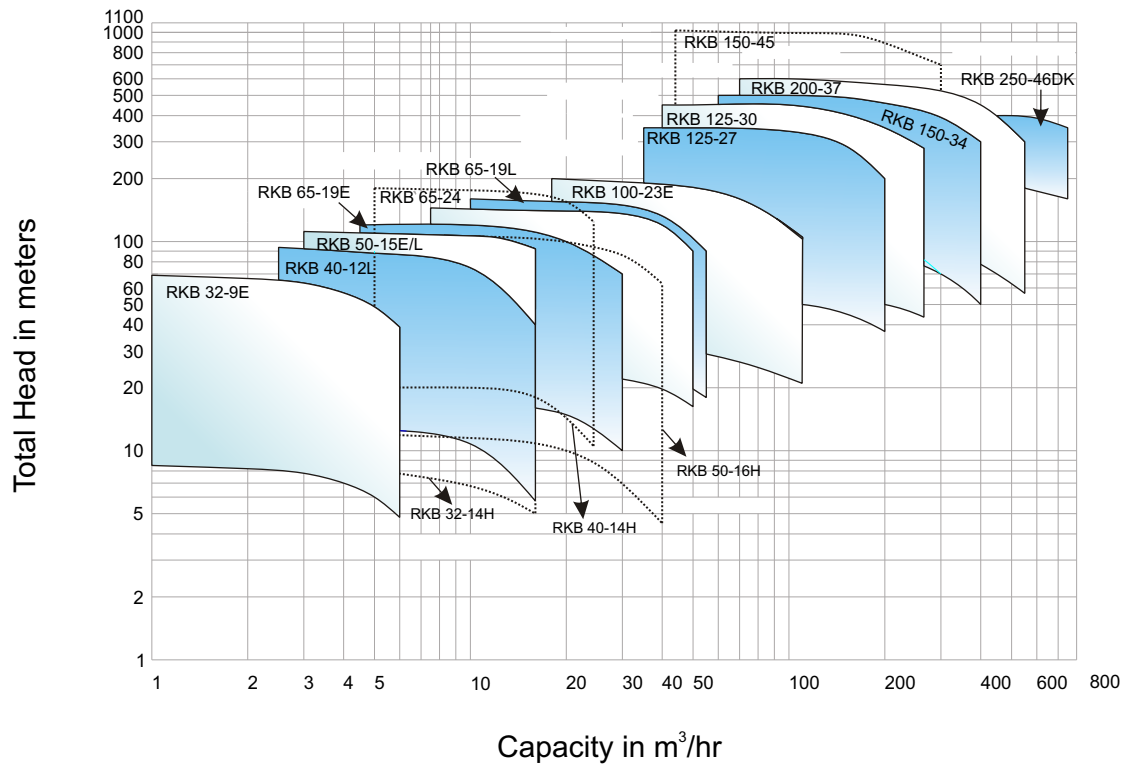
Canned pump construction used for low NPSHA conditions in condensate extraction application under vacuum. All RKB models can be made available with canned design.

## RKBS Pump

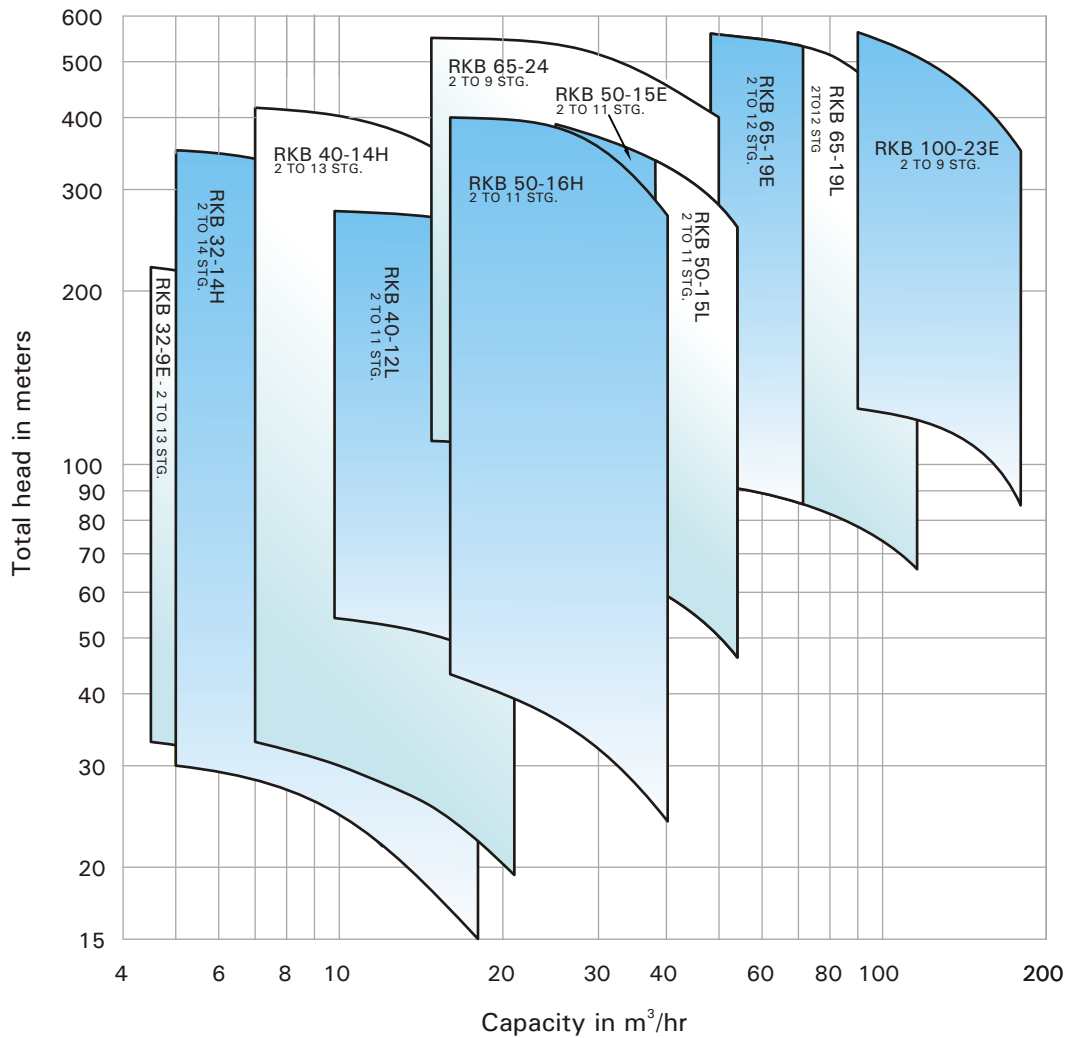


# FAMILY CURVES

Pump at 1450 rpm-50Hz



Pump at 2900 rpm-50Hz



## Performance Curves

### RKB Pump Models

Sr No.	Pump Type	RPM	Curve No.
01	RKB 32/9E	1450	HD12712AB00
02	RKB 32/9E	2900	HD127840012
03	RKB 32/14H	2900	HD12786AA01
04	RKB 40/12L	1450	HD11316AB00
05	RKB 40/12L	2900	HD11320AA00
06	RKB 40/14H	2900	HD129920060
07	RKB 50/15E	1450	HD12733AB00
08	RKB 50/15E	2900	HD12733AA01
09	RKB 50/15L	1450	HD11326AB00
10	RKB 50/16H	1450	HD127E2AA0 0
11	RKB 50/16H	2900	HD11369AA01
12	RKB 50/20	1450	HA12902099 0
13	RKB 50/20	2900	HD1RA92AA0 1
14	RKB 65/19E	1450	HD12743AB00
15	RKB 65/19E	2900	HD12743AA0 1
16	RKB 65/19H	2900	HC11336AAA0
17	RKB 65/19L	1450	HD11336AB00
18	RKB 65/19L	2900	HD11336AA01
19	RKB 65/19LM	1450	HA12701501 0
20	RKB 65/19LM	2900	HA17401502 0
21	RKB 65/24	1470	HA129930240
22	RKB 100/23E	1450	HD12751AB0 0
23	RKB 100/23E	2900	HD12751AA0 1
24	RKB 100/23M	2900	HD12751AA01 1
25	RKB 125/27	1470	HD129840010
26	RKB 125/30	1470	HD12914AB0 1
27	RKB 150/34	1470	HD12926AB01
28	RKB 150/45K	1485	Ha139980010
29	RKB 200/37	1470	HD129840021
30	RKB 250/46K	1470	HD12971AA00



## PERFORMANCE CURVE OF PUMP RKB32/9E (SINGLE STAGE)

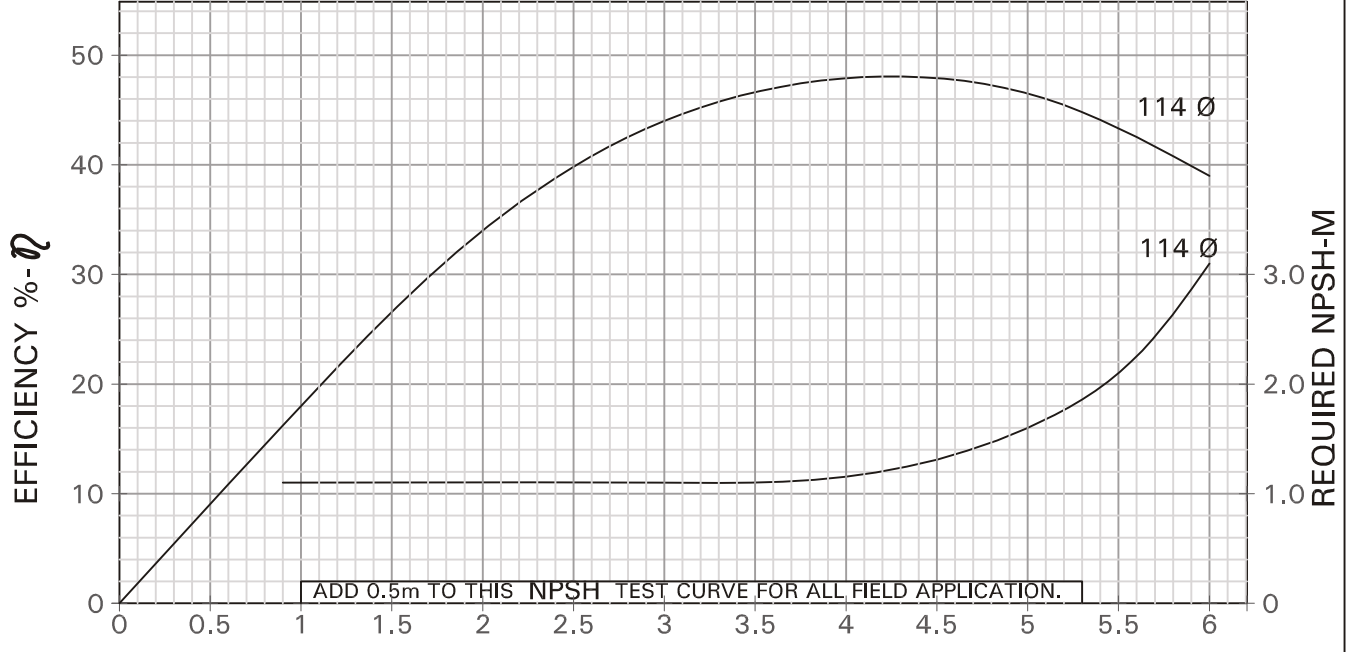
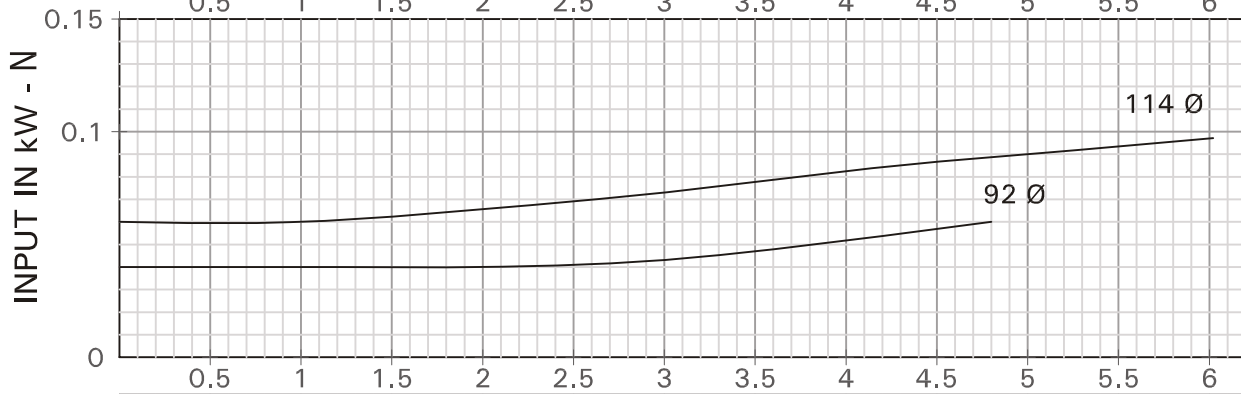
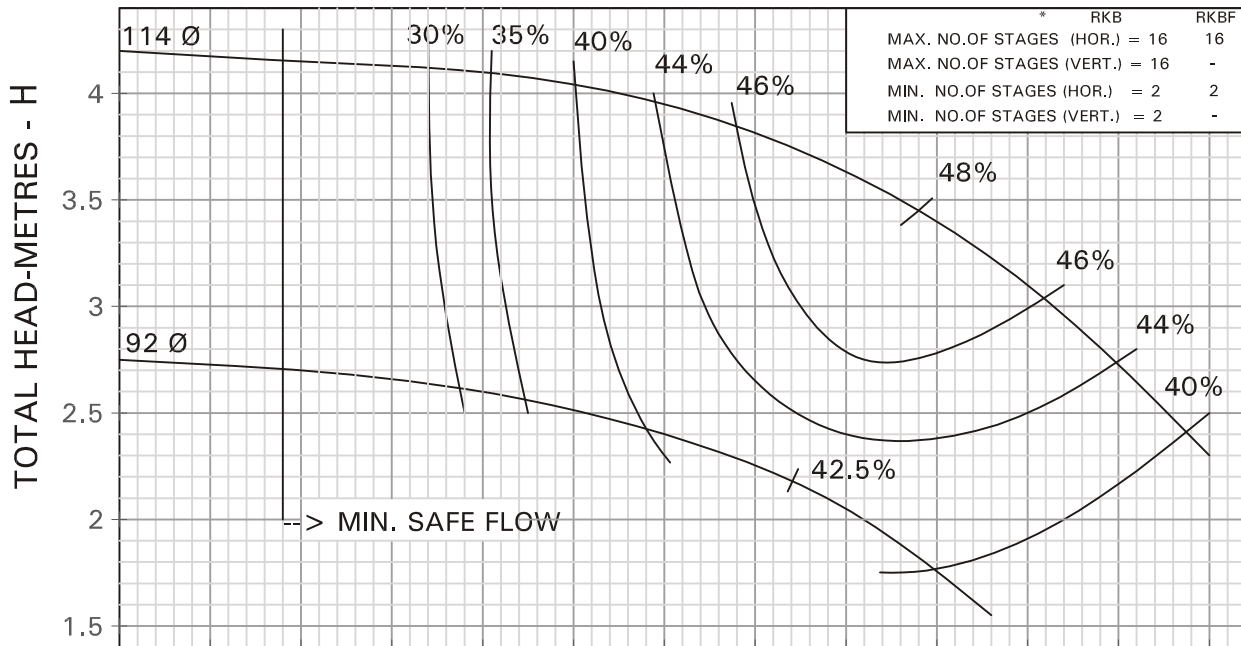
SUC. 40 mm DEL 32 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 1450<sup>rpm</sup>  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



DISCHARGE Q - m3/hr

RECOMMENDED DELIVERY PIPE SIZE mm	40	50
RECOMMENDED SUCTION PIPE SIZE mm	40	50



## PERFORMANCE CURVE OF PUMP RKB 32/9 E ( SINGLE STAGE )

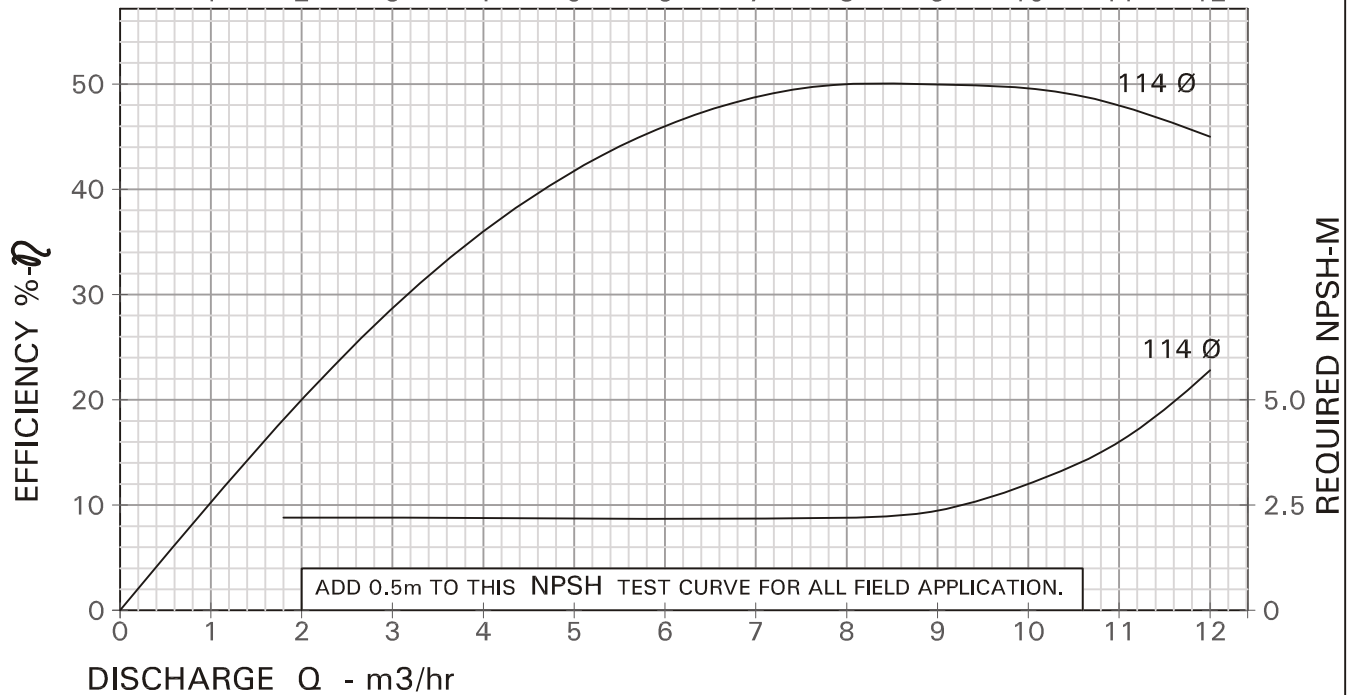
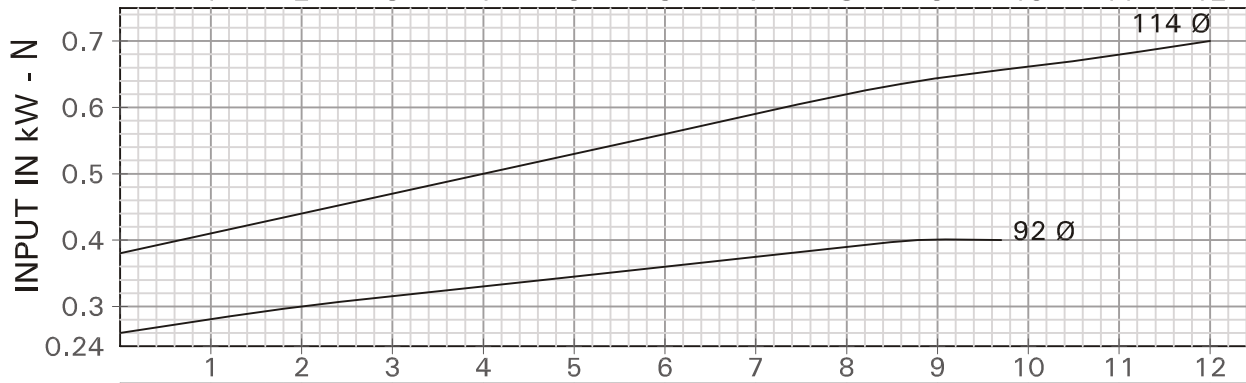
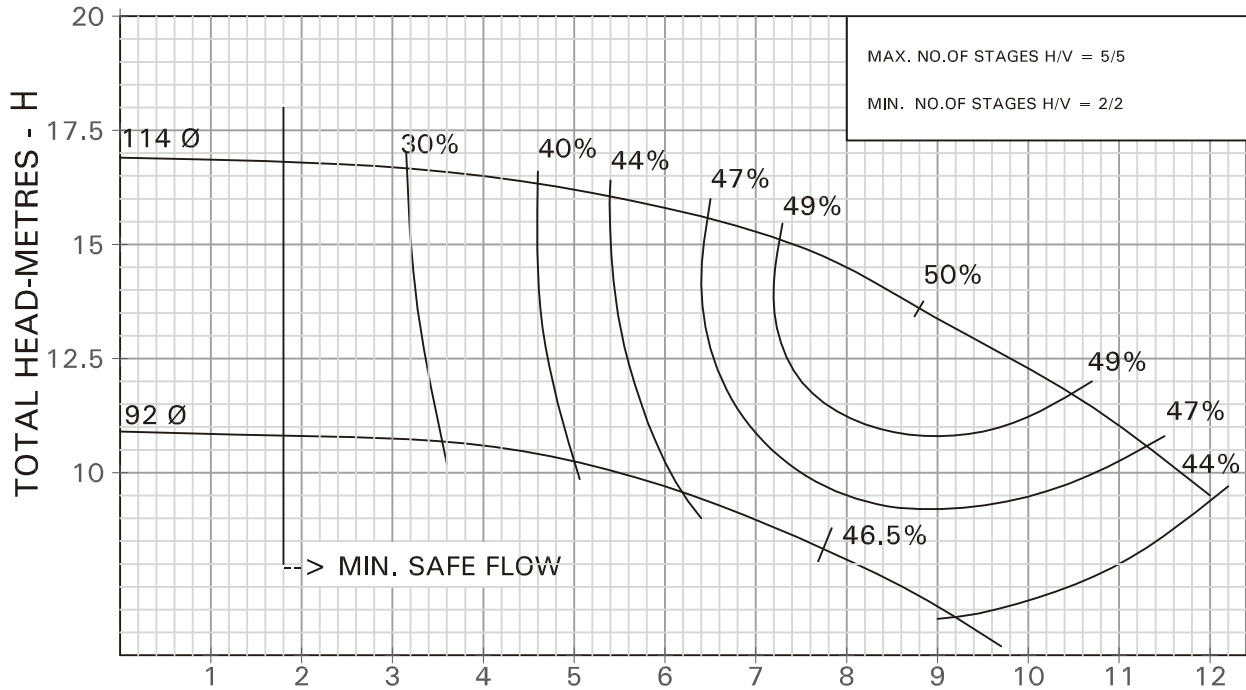
SUC. 40 mm DEL 32mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 2900<sup>rpm</sup>  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR STAGES 6 & ABOVE REFER GRAPH NO. HD12715AA00.



RECOMMENDED DELIVERY PIPE SIZE mm	40	50	50	65	
RECOMMENDED SUCTION PIPE SIZE mm	40	50	65		

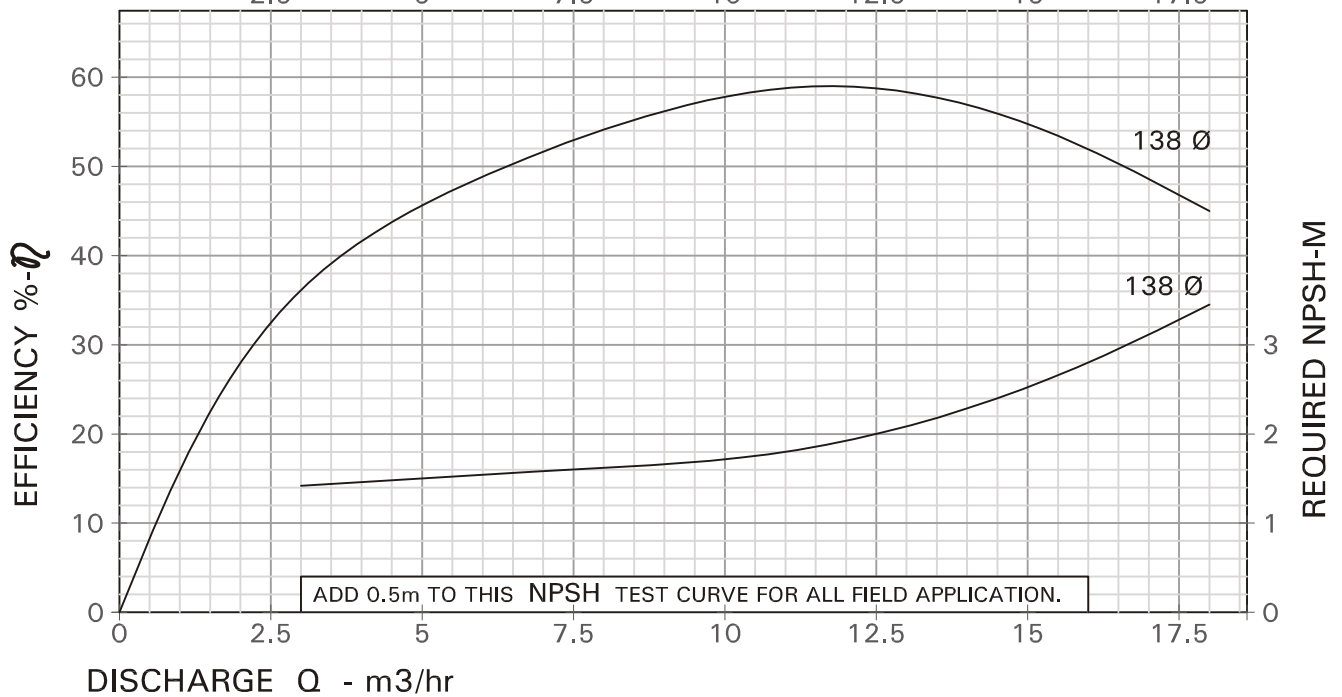
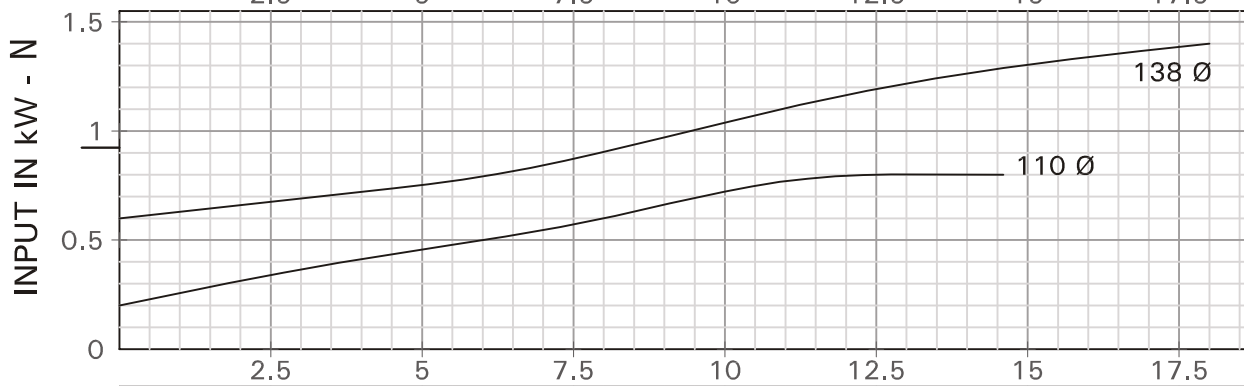
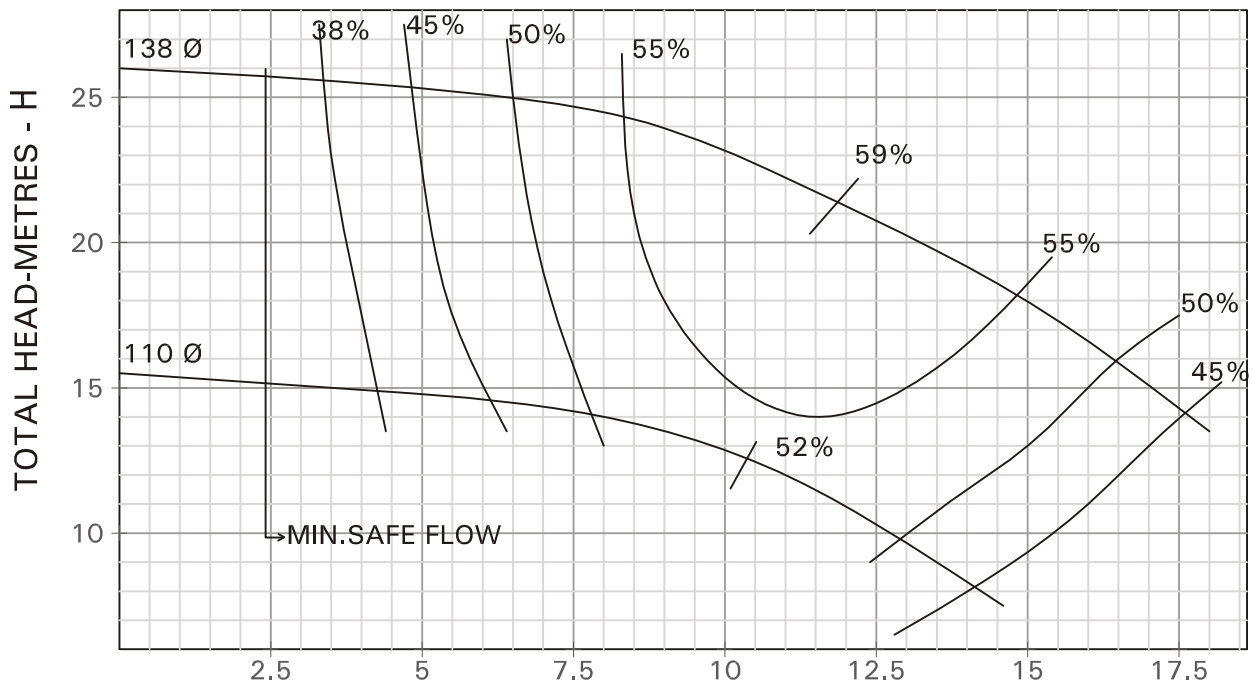


## PERFORMANCE CURVE OF PUMP RKB32/14H (SINGLE STAGE)

SUC. 40 mm DEL 32 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0

n = 2900 rpm  
(NOMINAL)



DISCHARGE Q - m<sup>3</sup>/hr

RECOMMENDED DELIVERY PIPE SIZE mm	65	80
RECOMMENDED SUCTION PIPE SIZE mm	65	80

# KIRLOSKAR BROTHERS LIMITED

NO. HD11316AB00



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PERFORMANCE CURVE OF PUMP RKB\* 40/12L (SINGLE STAGE)

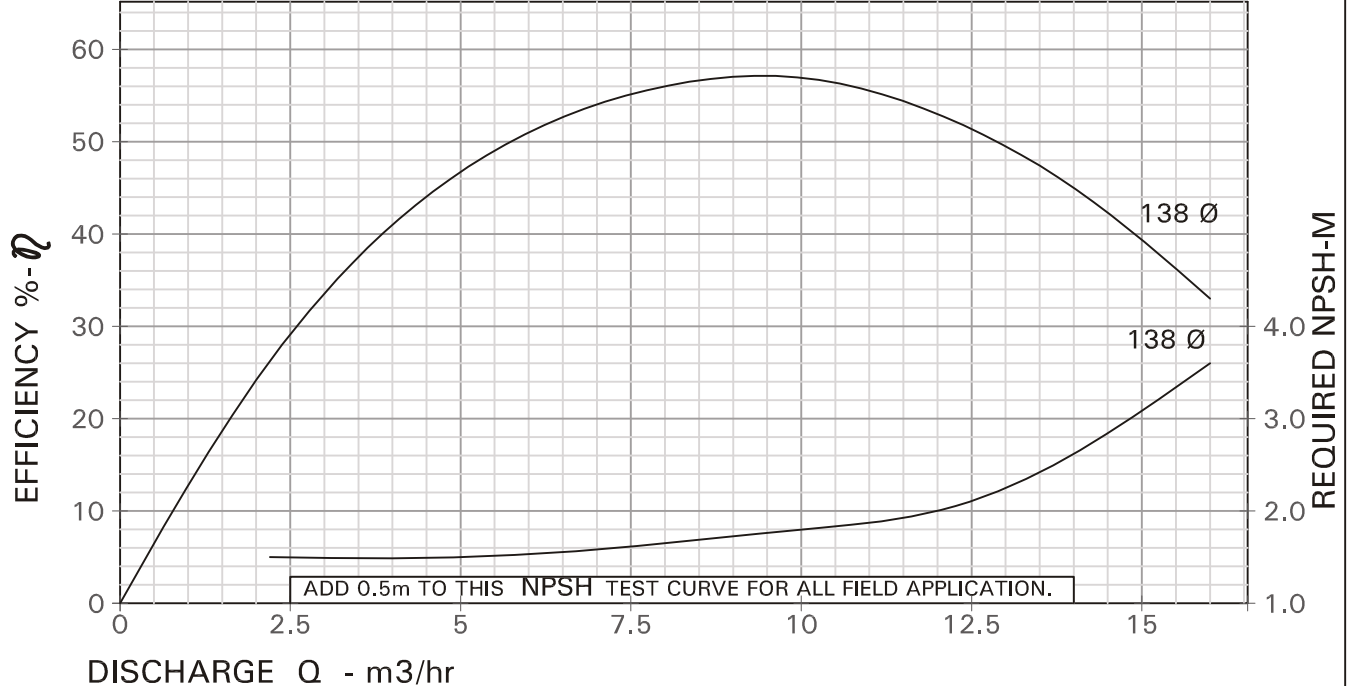
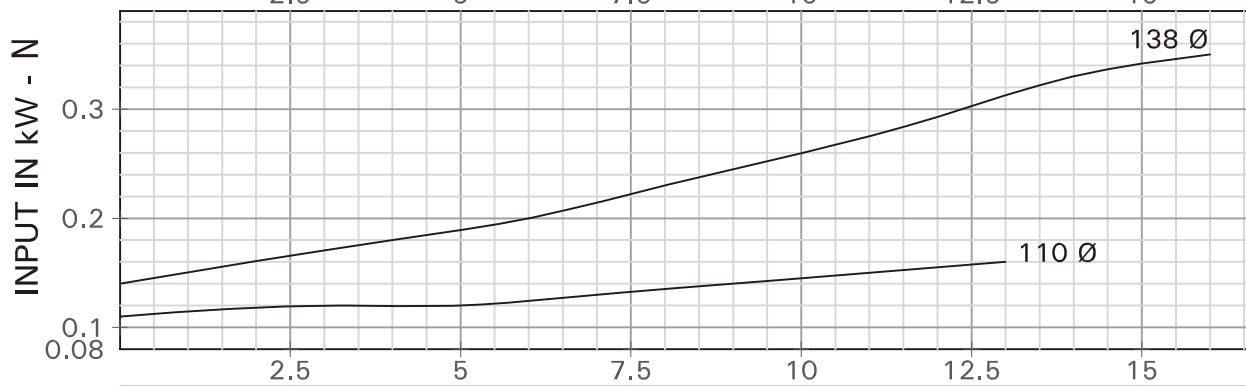
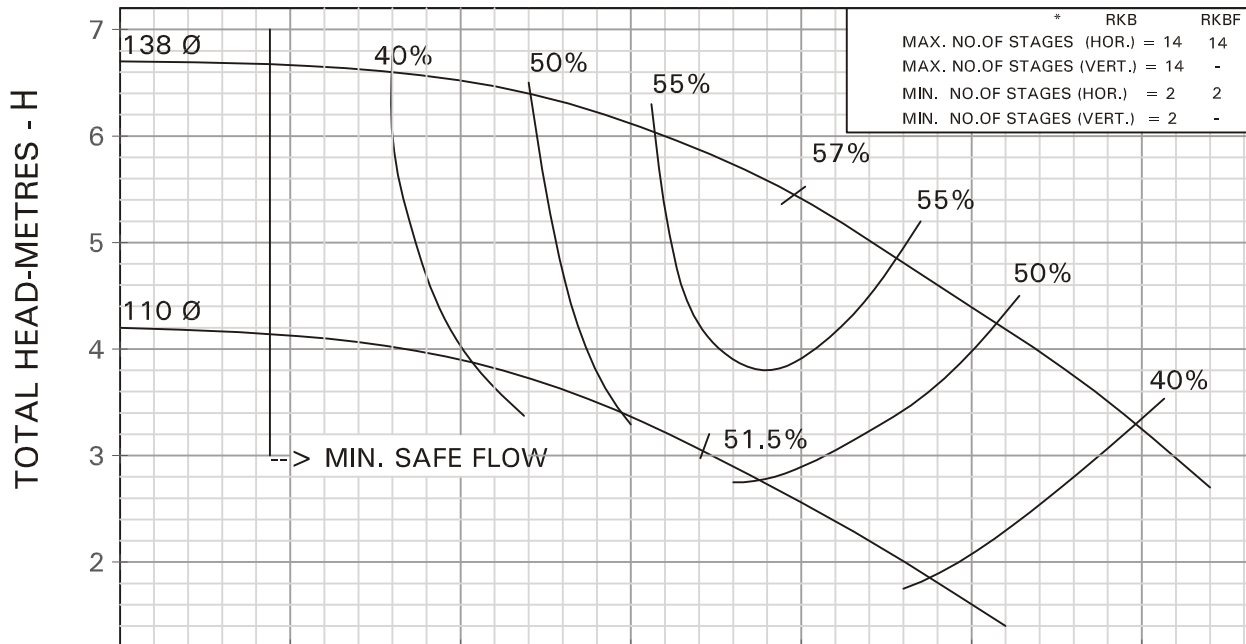
SUC. 50 mm DEL 40 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 1450<sup>rpm</sup>  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



RECOMMENDED DELIVERY PIPE SIZE mm	65	
RECOMMENDED SUCTION PIPE SIZE mm	65	80



## PERFORMANCE CURVE OF PUMP RKB\* 40/12 L ( SINGLE STAGE )

SUC. 50 mm DEL 40 mm

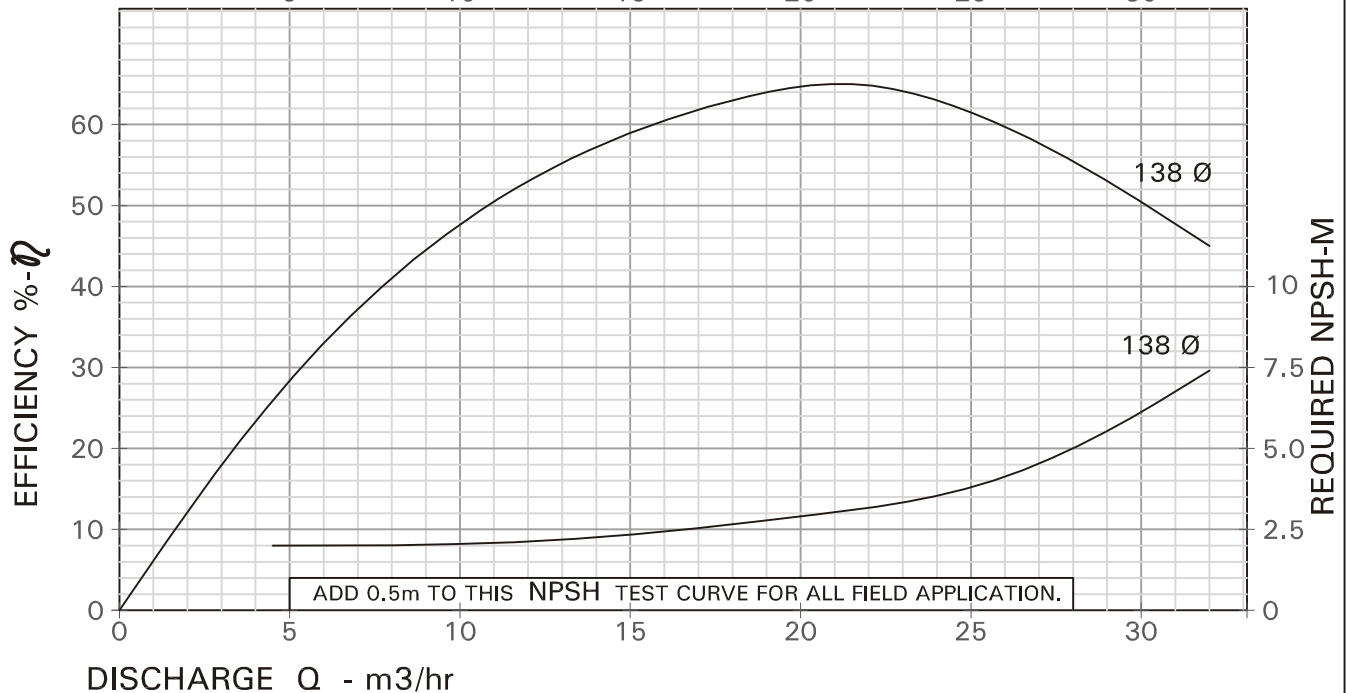
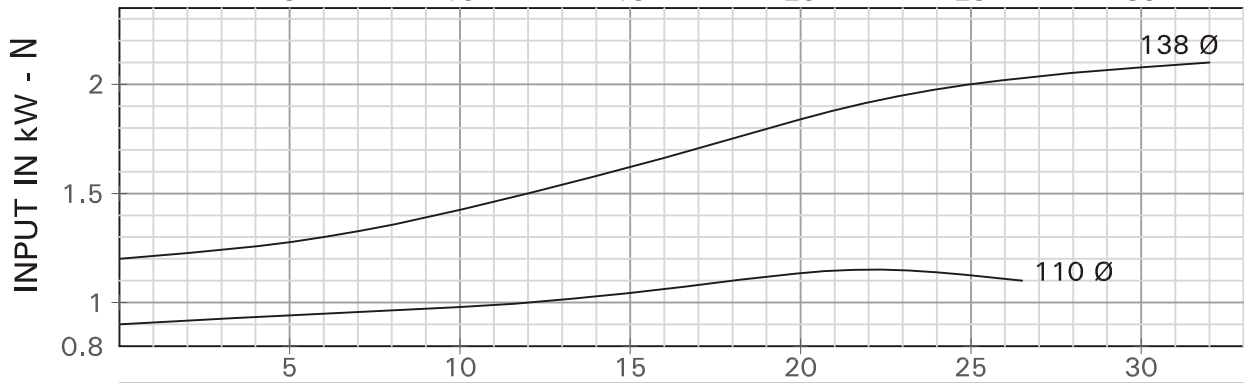
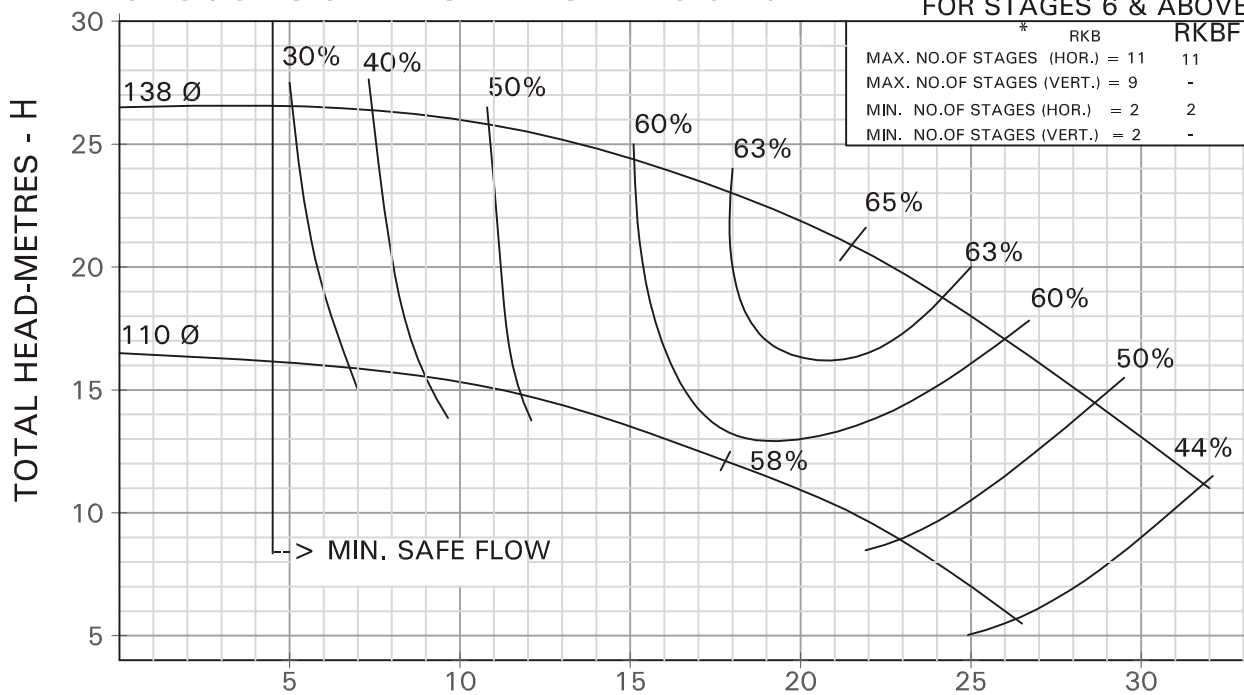
THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 2900 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

UPTO 5 STAGES REFER GRAPH NO. HD11316AA02.

FOR HIGHER STAGES REFER P.E.D.  
FOR STAGES 6 & ABOVE



RECOMMENDED DELIVERY PIPE SIZE mm	65	80	100
RECOMMENDED SUCTION PIPE SIZE mm	65	80	100





## PERFORMANCE CURVE OF PUMP RKB\* 40/14H (SINGLE STAGE)

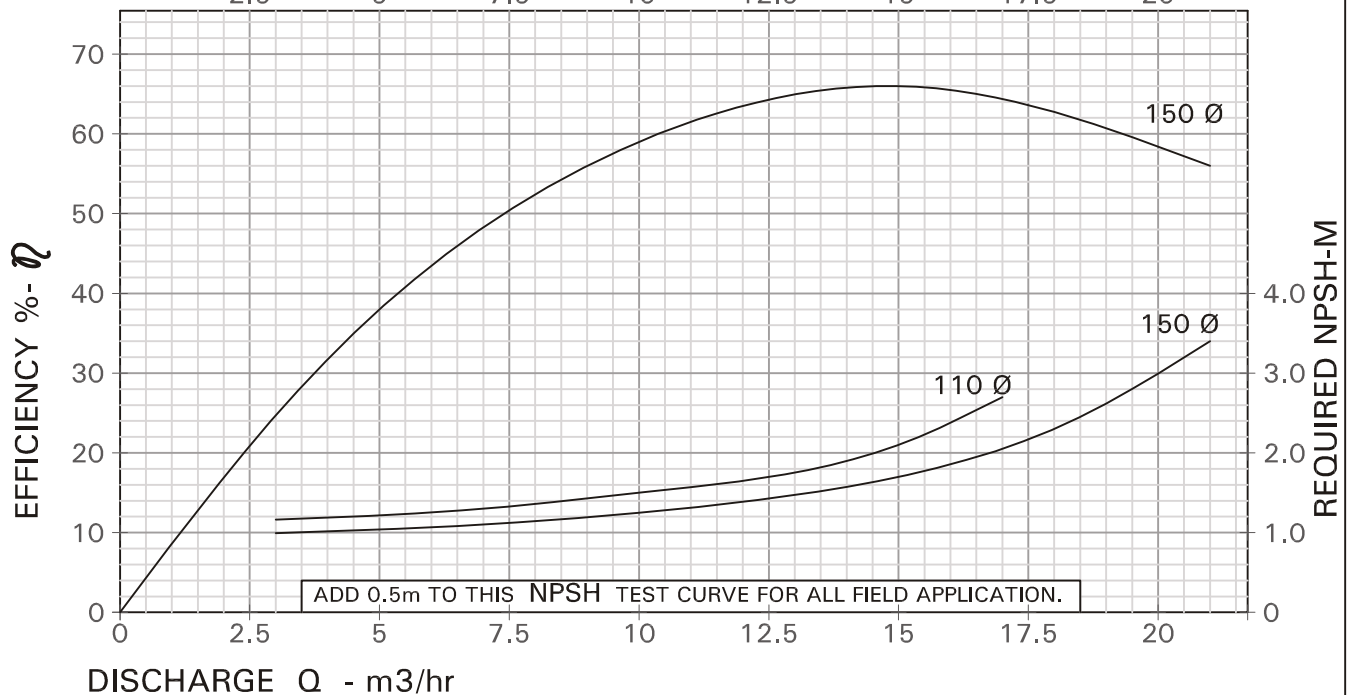
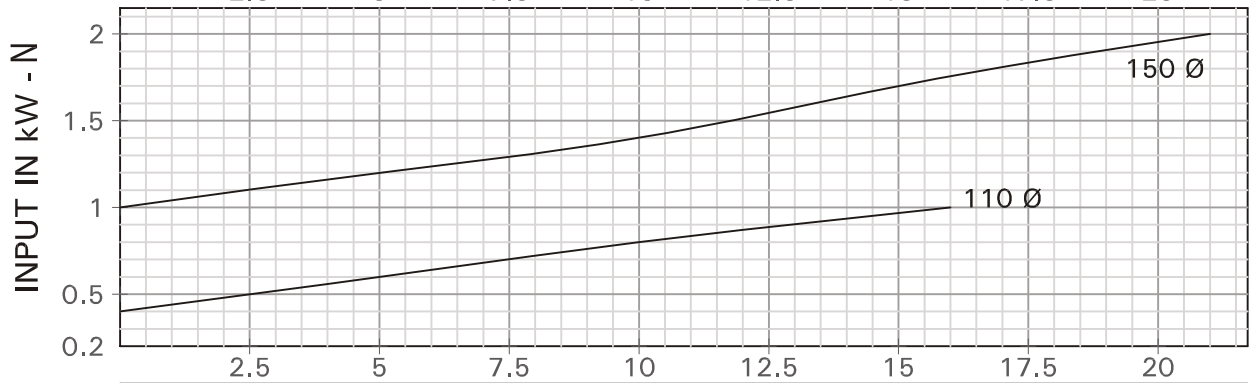
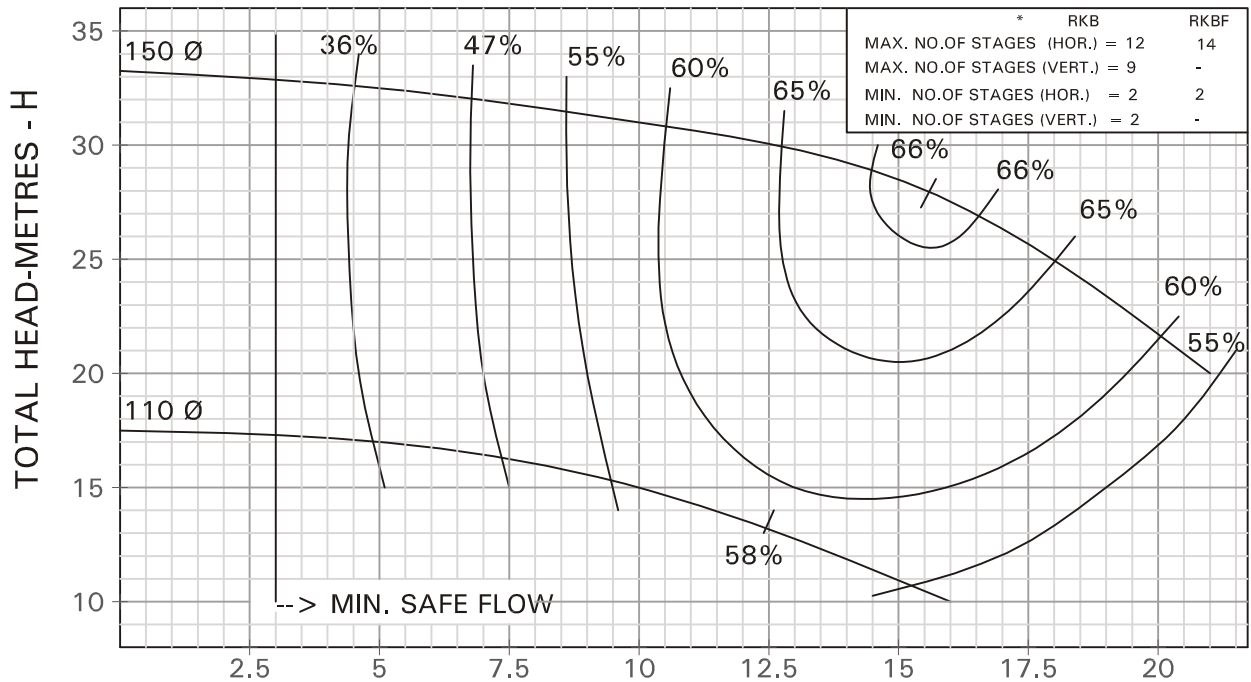
SUC. 50 mm DEL 40mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 2900<sup>rpm</sup>  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



RECOMMENDED DELIVERY PIPE SIZE mm	65	80
RECOMMENDED SUCTION PIPE SIZE mm	65	80



## PERFORMANCE CURVE OF PUMP RKB\* 50/15 E (SINGLE STAGE)

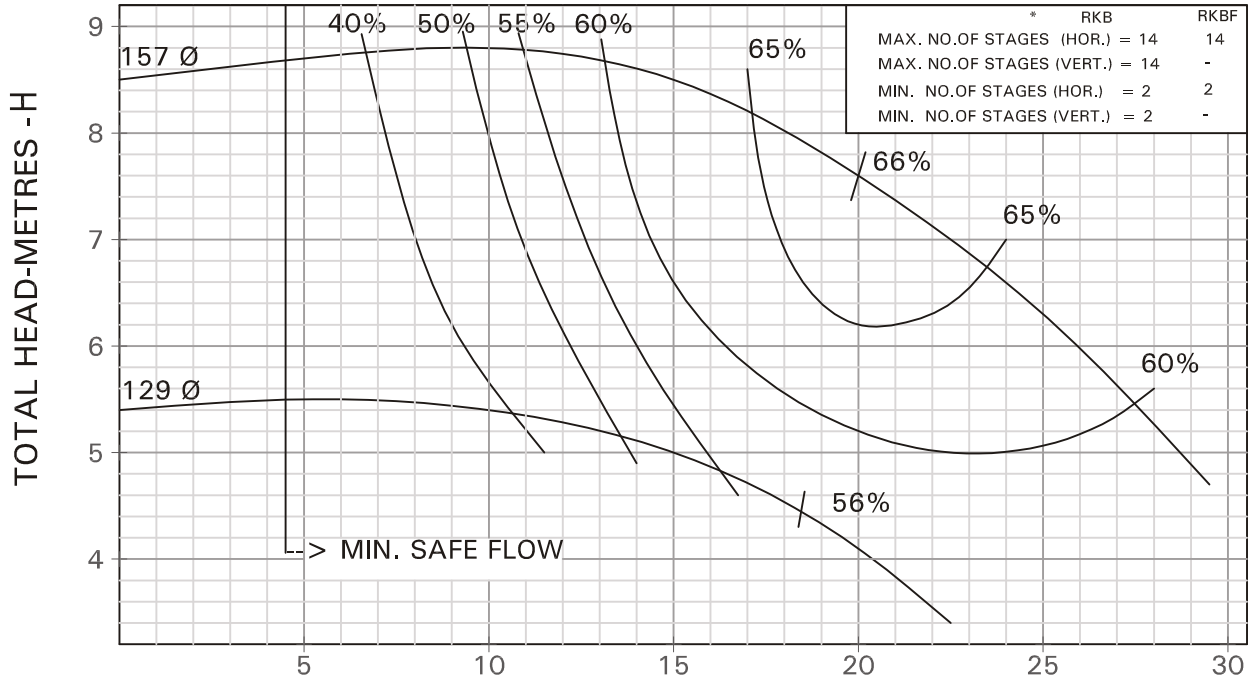
SUC. 65 mm DEL 50 mm

n = 1450<sup>rpm</sup>  
(NOMINAL)

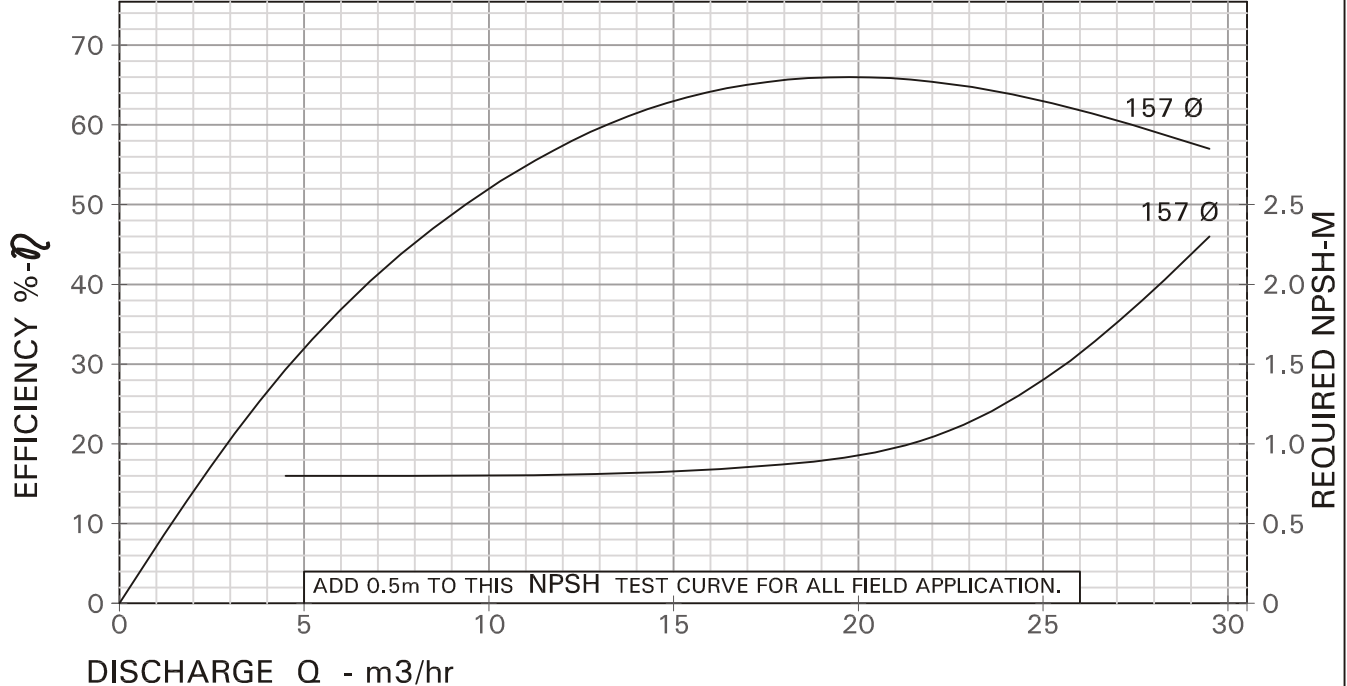
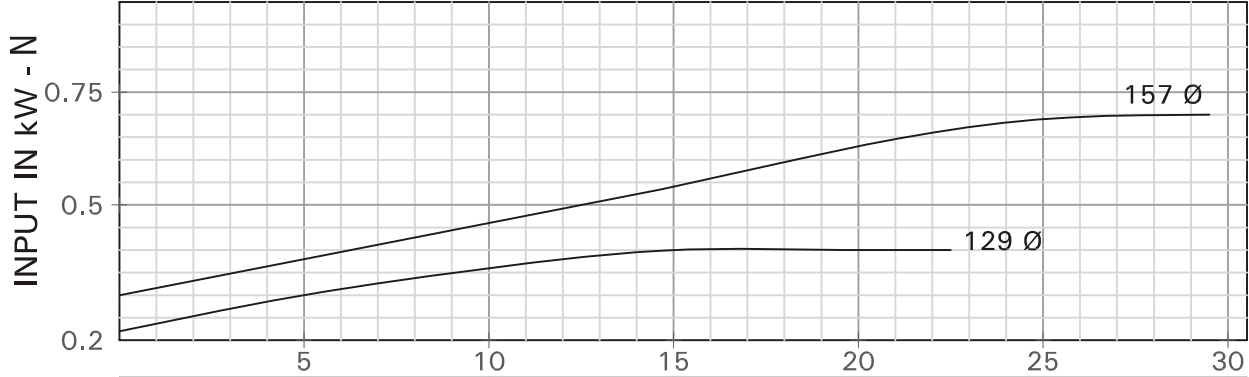
THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



	RKB	RKBF
MAX. NO.OF STAGES (HOR.)	= 14	14
MAX. NO.OF STAGES (VERT.)	= 14	-
MIN. NO.OF STAGES (HOR.)	= 2	2
MIN. NO.OF STAGES (VERT.)	= 2	-



ADD 0.5m TO THIS NPSH TEST CURVE FOR ALL FIELD APPLICATION.

RECOMMENDED DELIVERY PIPE SIZE mm	65	80	100
RECOMMENDED SUCTION PIPE SIZE mm	80		100



## PERFORMANCE CURVE OF PUMP RKB\* 50/15 E (SINGLE STAGE)

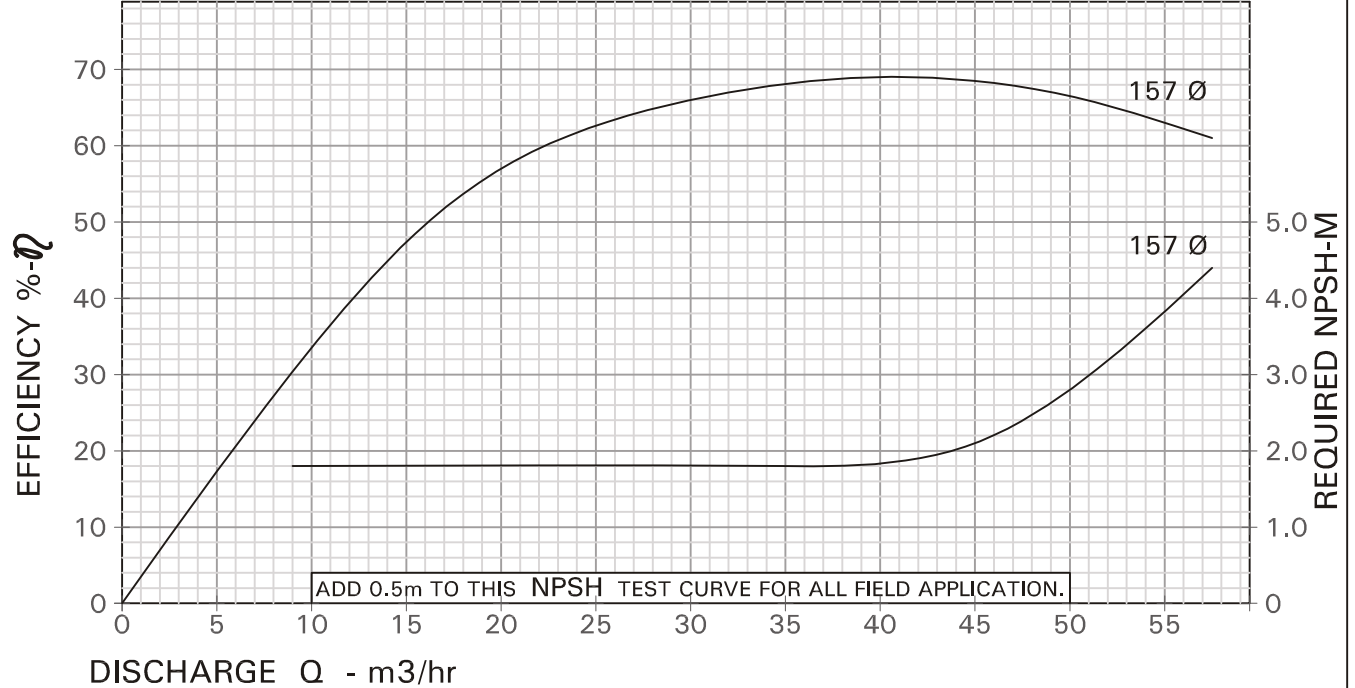
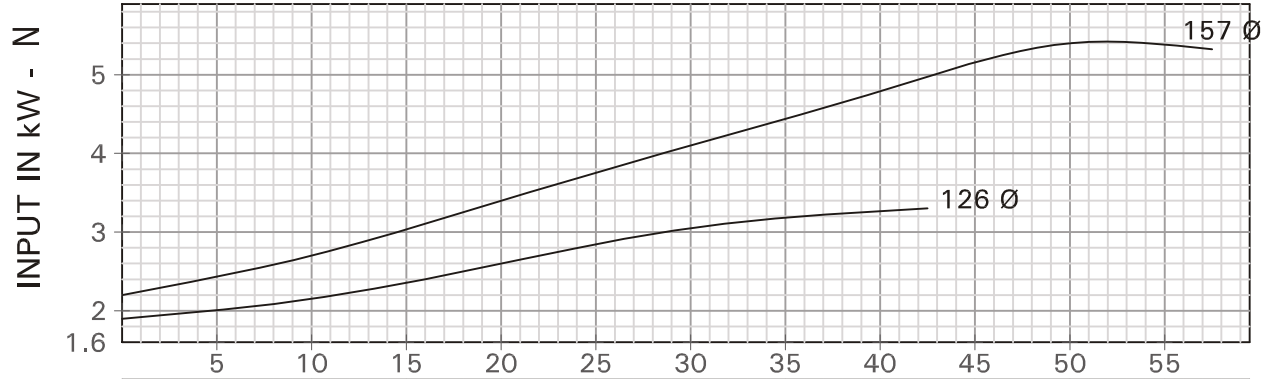
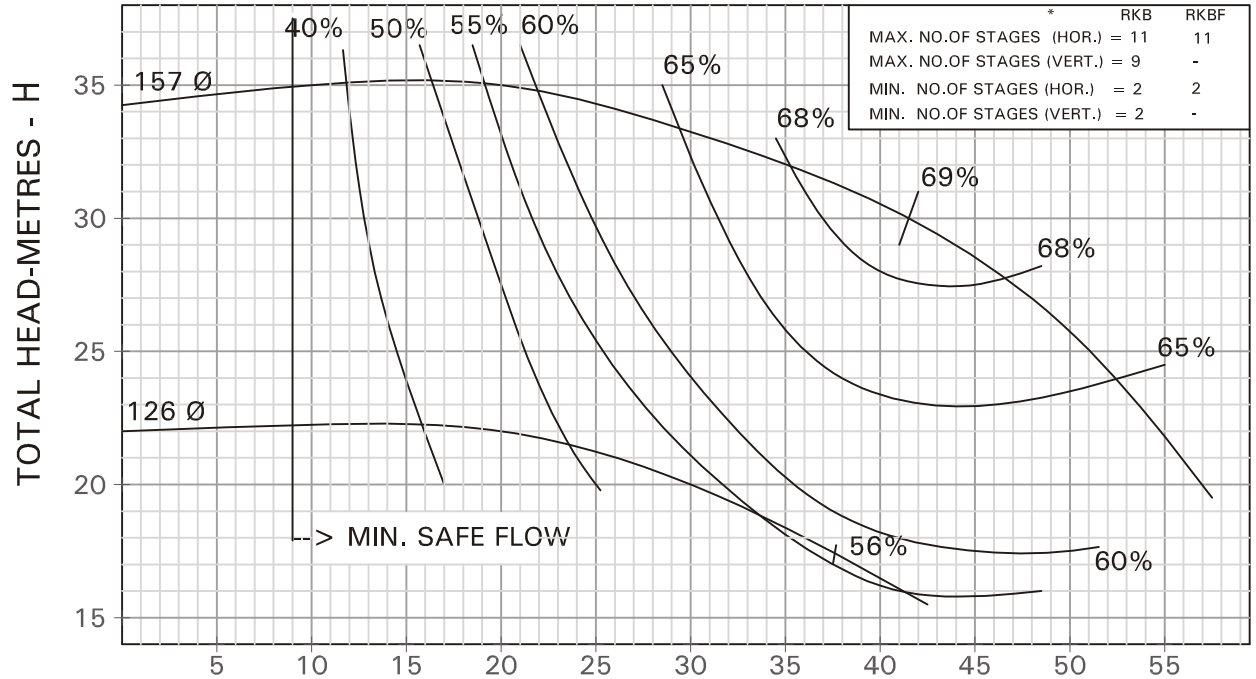
SUC. 65mm DEL 50mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 2900<sup>rpm</sup>  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



RECOMMENDED DELIVERY PIPE SIZE mm	65	80	100	125
RECOMMENDED SUCTION PIPE SIZE mm	80	100	125	



## PERFORMANCE CURVE OF PUMP RKB\* 50/15 L ( SINGLE STAGE )

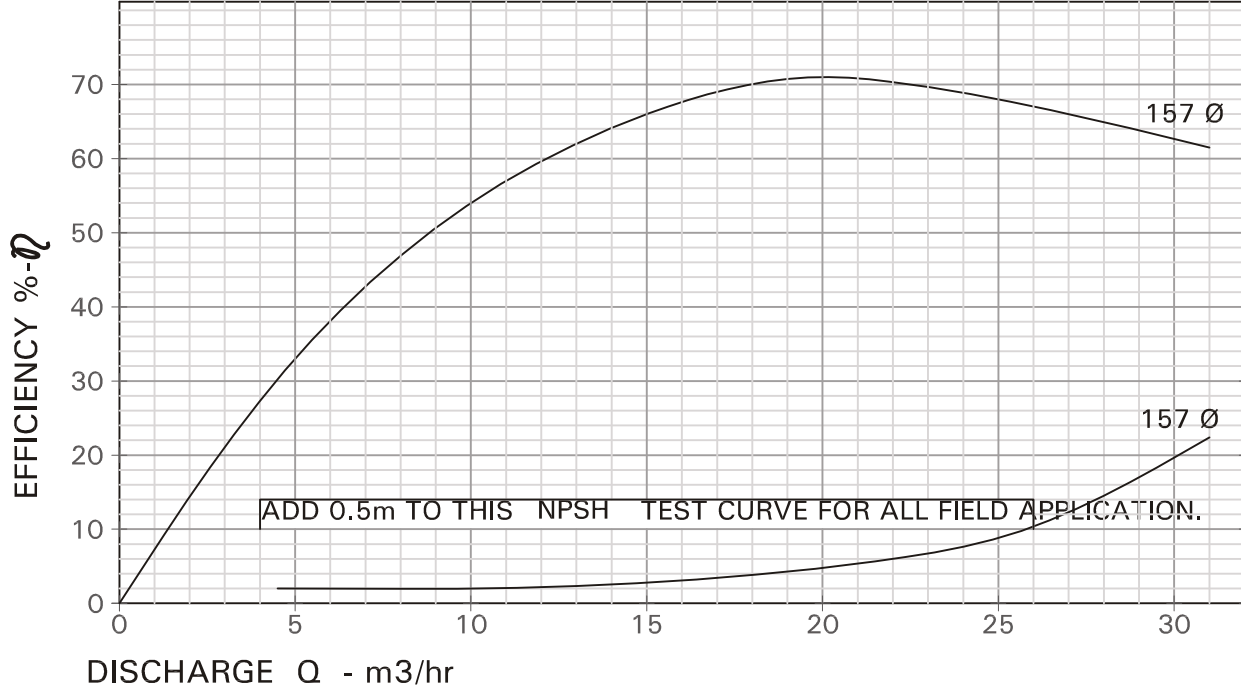
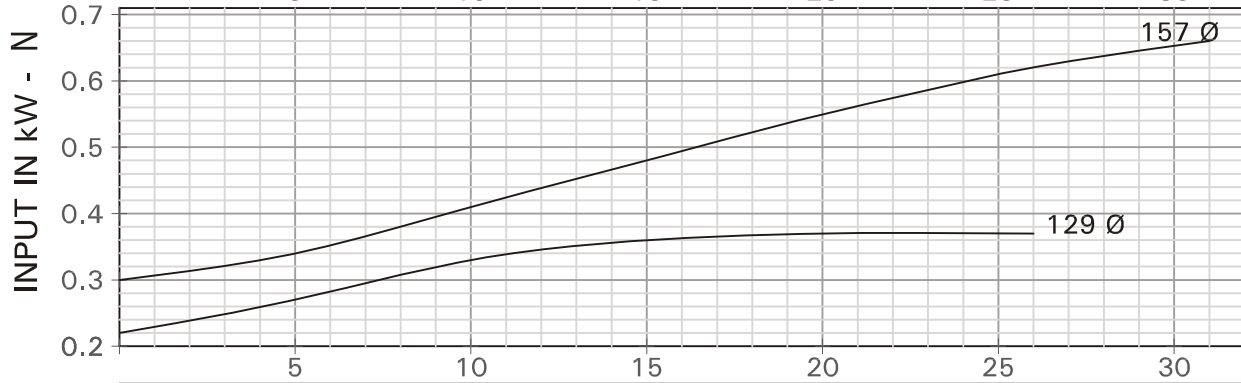
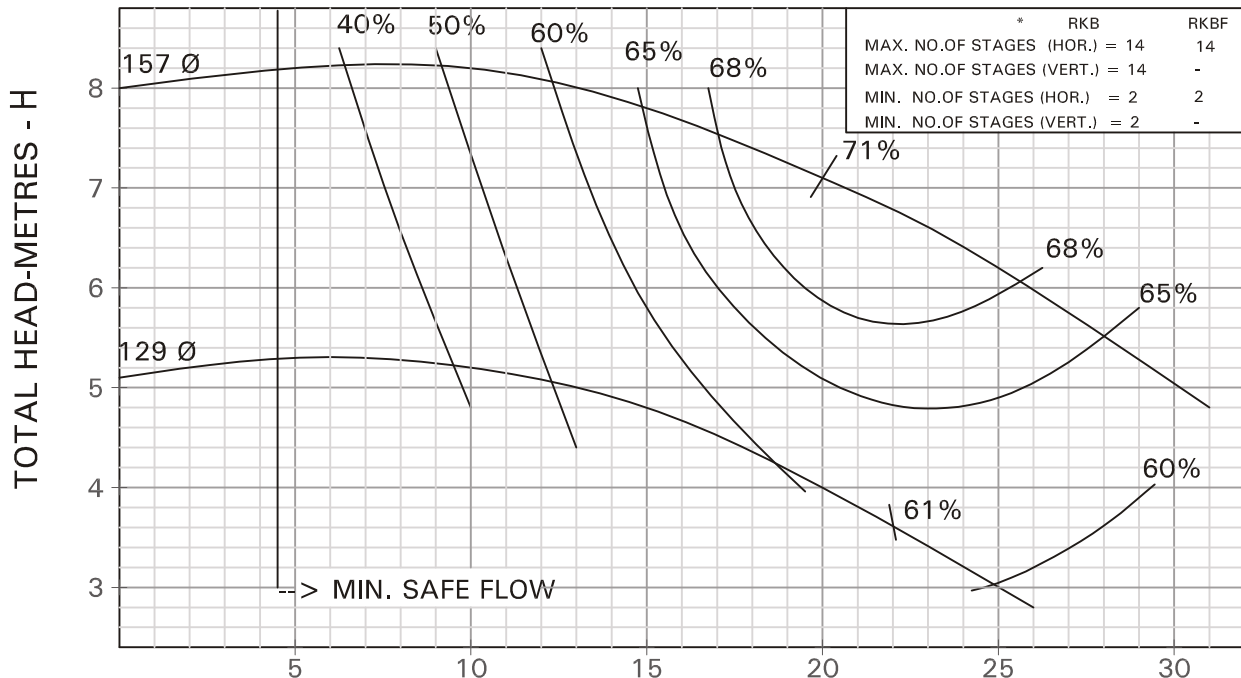
SUC.65 mm DEL 50mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = **1450**<sup>rpm</sup>  
(NOMINAL)

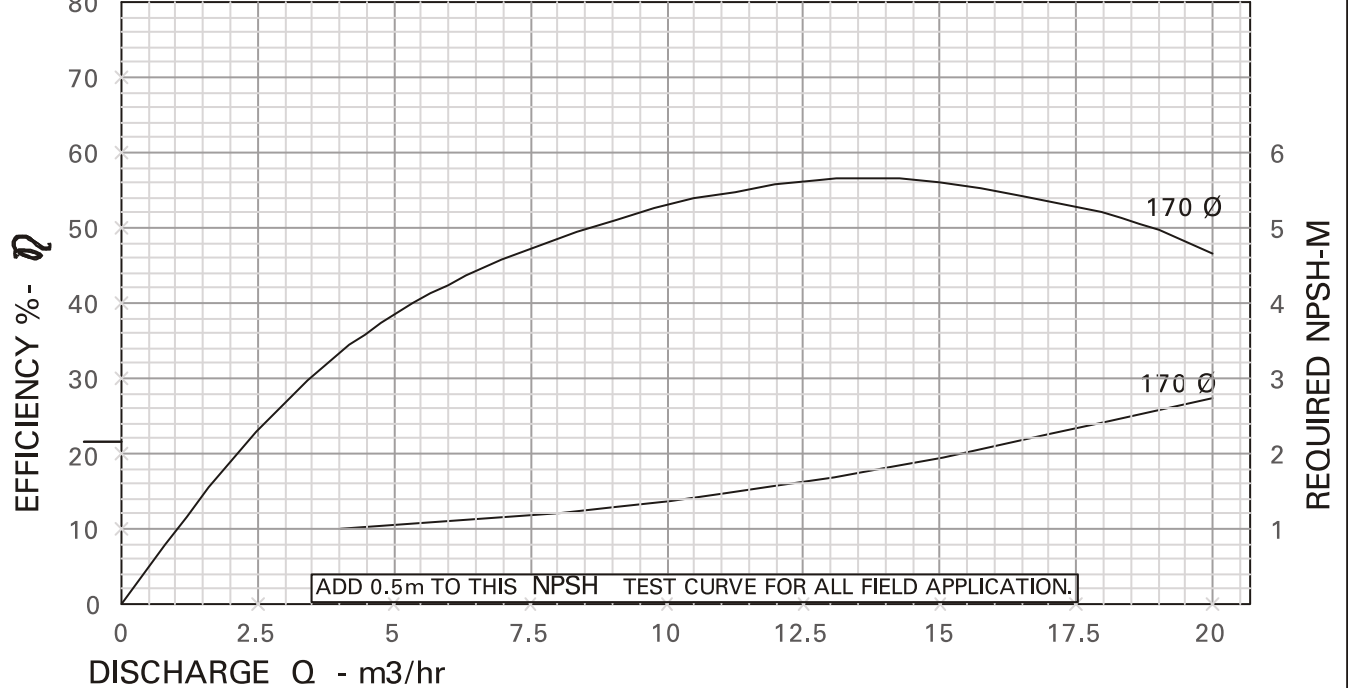
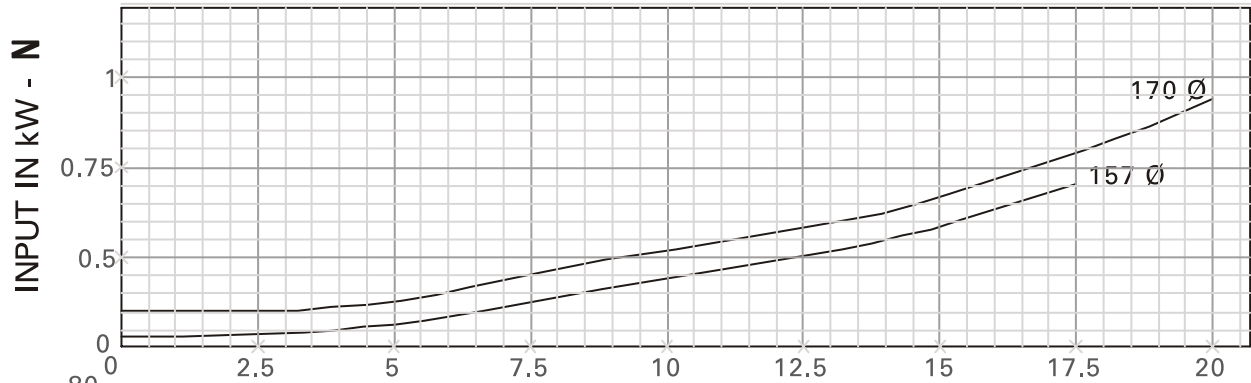
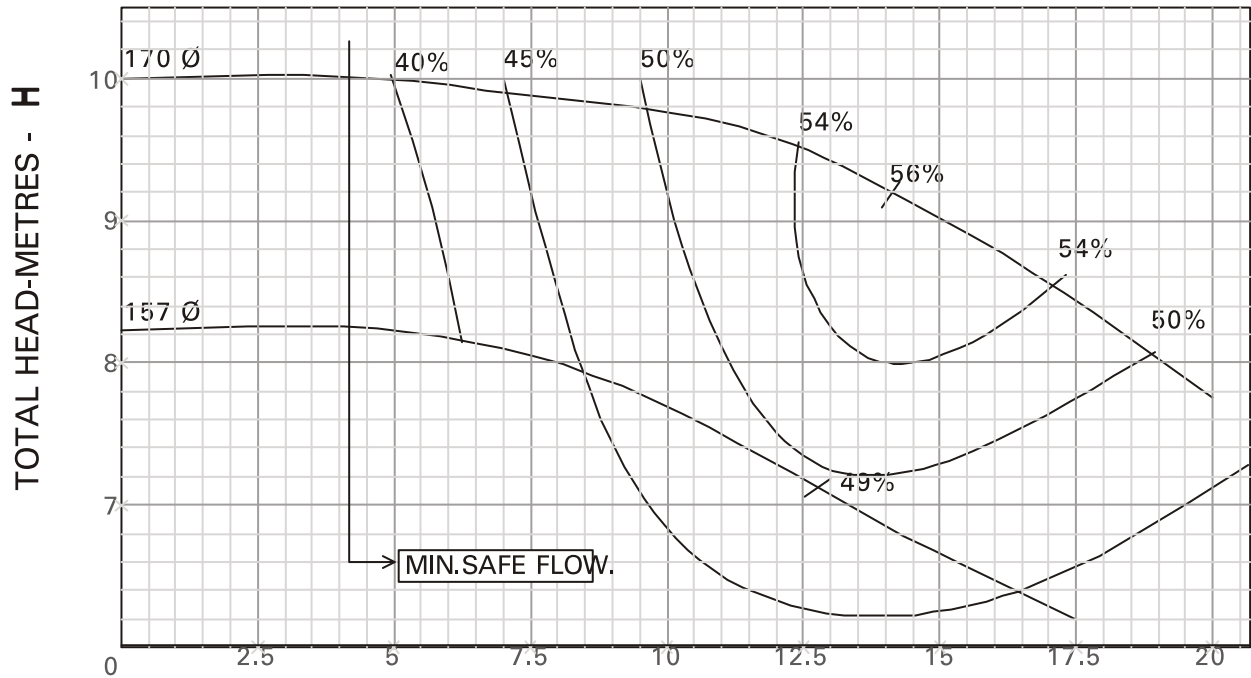
THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.

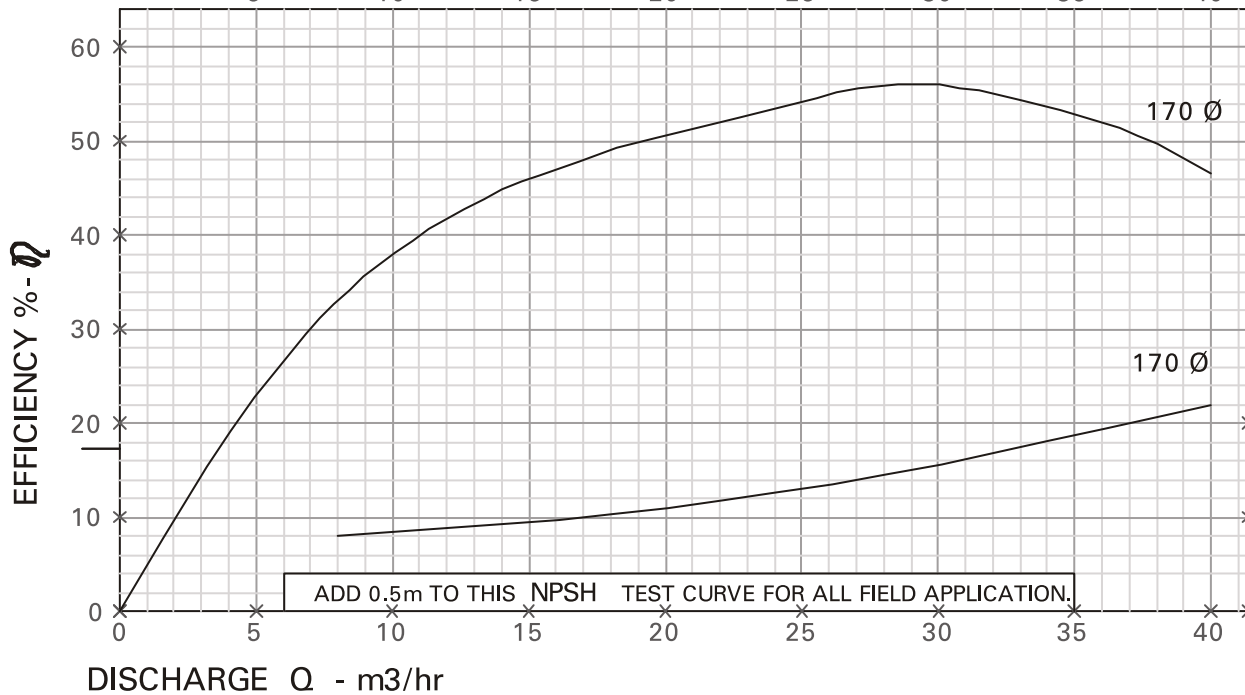
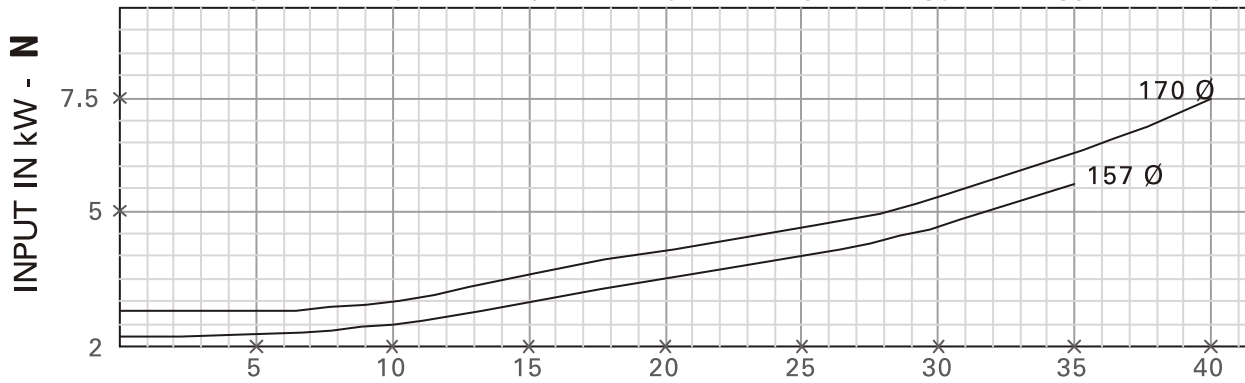
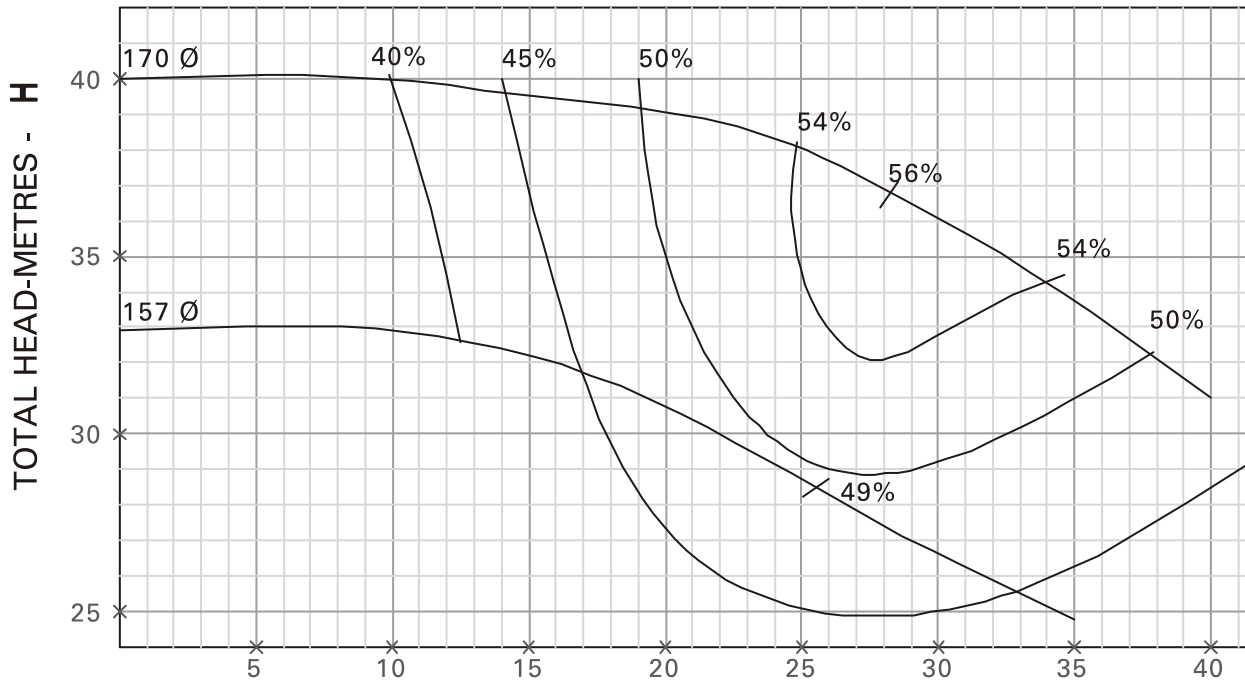


REQUIRED NPSH-M

RECOMMENDED DELIVERY PIPE SIZE mm	65	80	100
RECOMMENDED SUCTION PIPE SIZE mm	80	100	



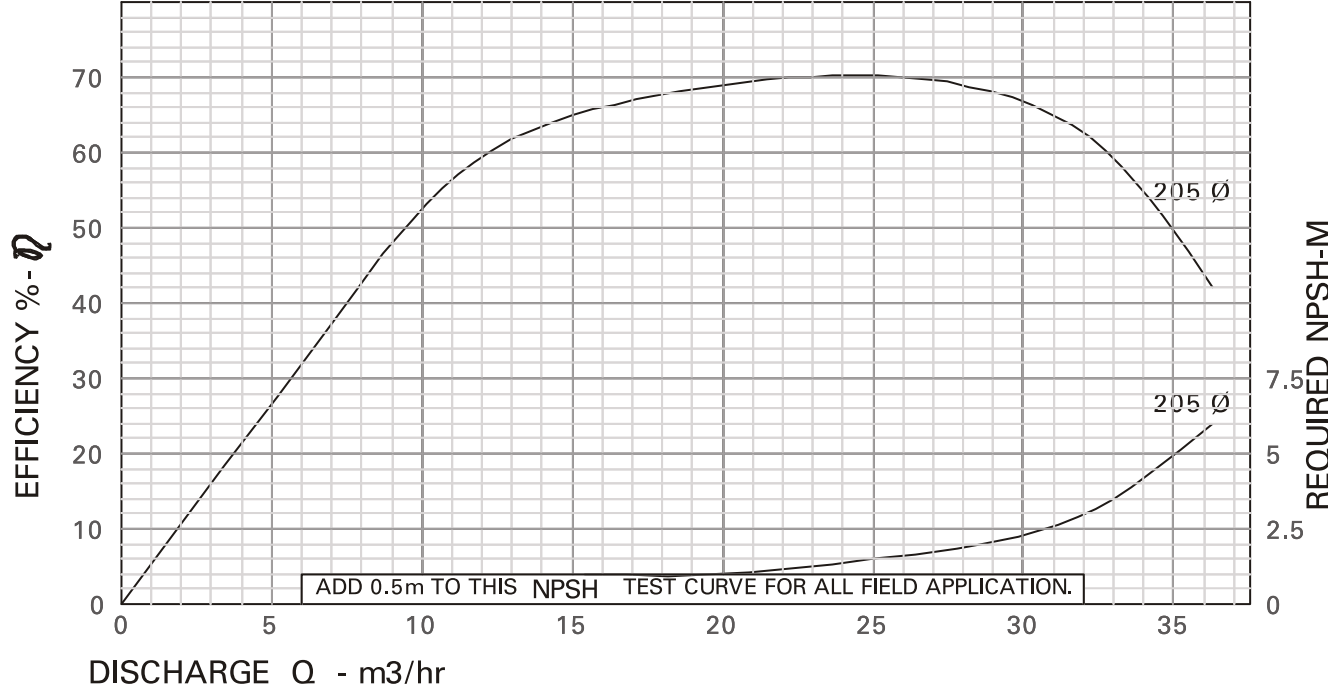
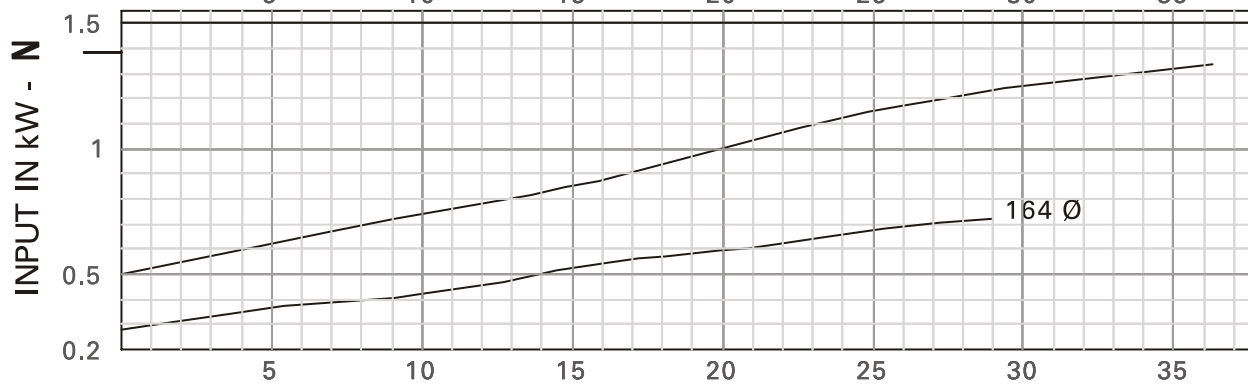
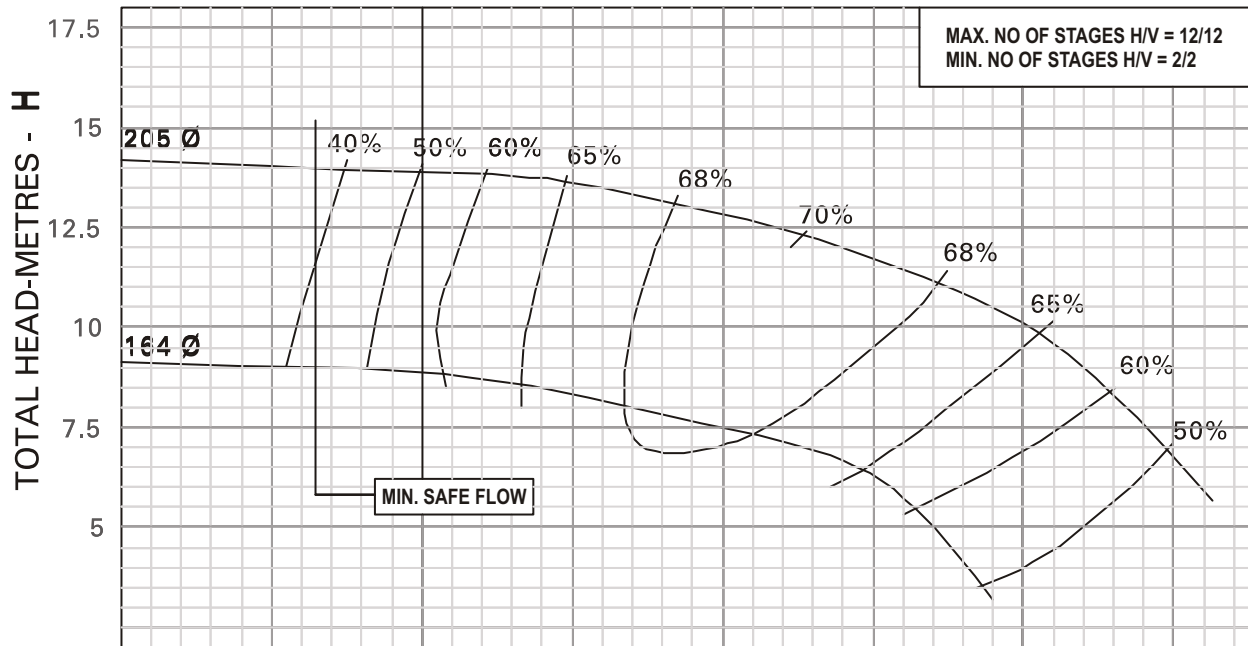
RECOMMENDED DELIVERY PIPE SIZE mm	65	80
RECOMMENDED SUCTION PIPE SIZE mm	65	80



REQUIRED NPSH-M

DISCHARGE Q - m<sup>3</sup>/hr

RECOMMENDED DELIVERY PIPE SIZE mm  
RECOMMENDED SUCTION PIPE SIZE mm



RECOMMENDED DELIVERY PIPE SIZE mm	65Ø	80Ø	100Ø
RECOMMENDED SUCTION PIPE SIZE mm	80Ø	100Ø	

# KIRLOSKAR BROTHERS LIMITED

NO. HD1RA92AA0 1

PERFORMANCE CURVE OF PUMP RKB 50/20 (SINGLE STAGE)

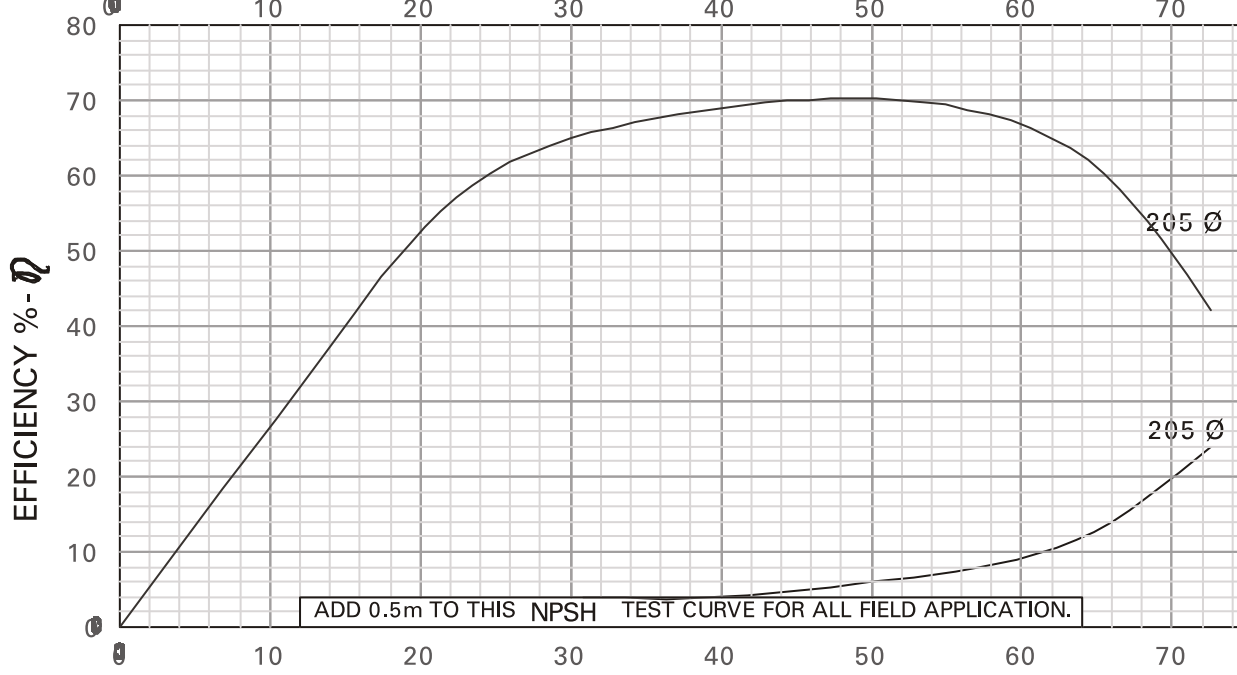
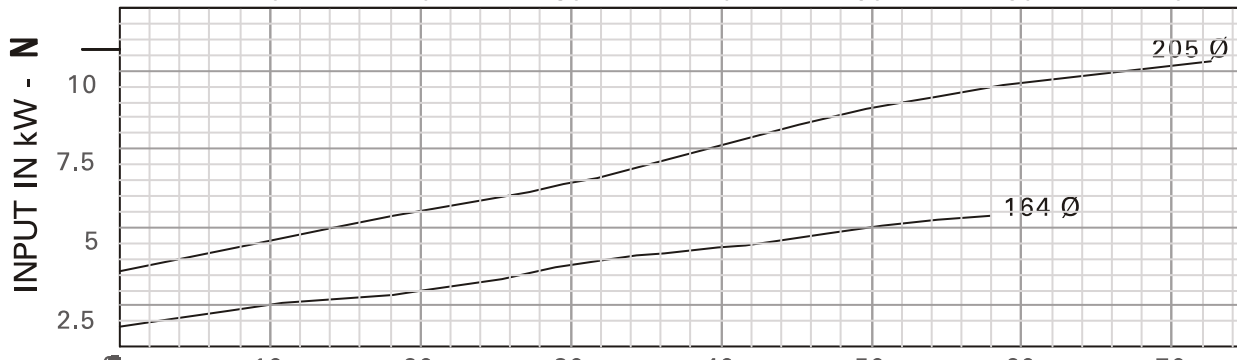
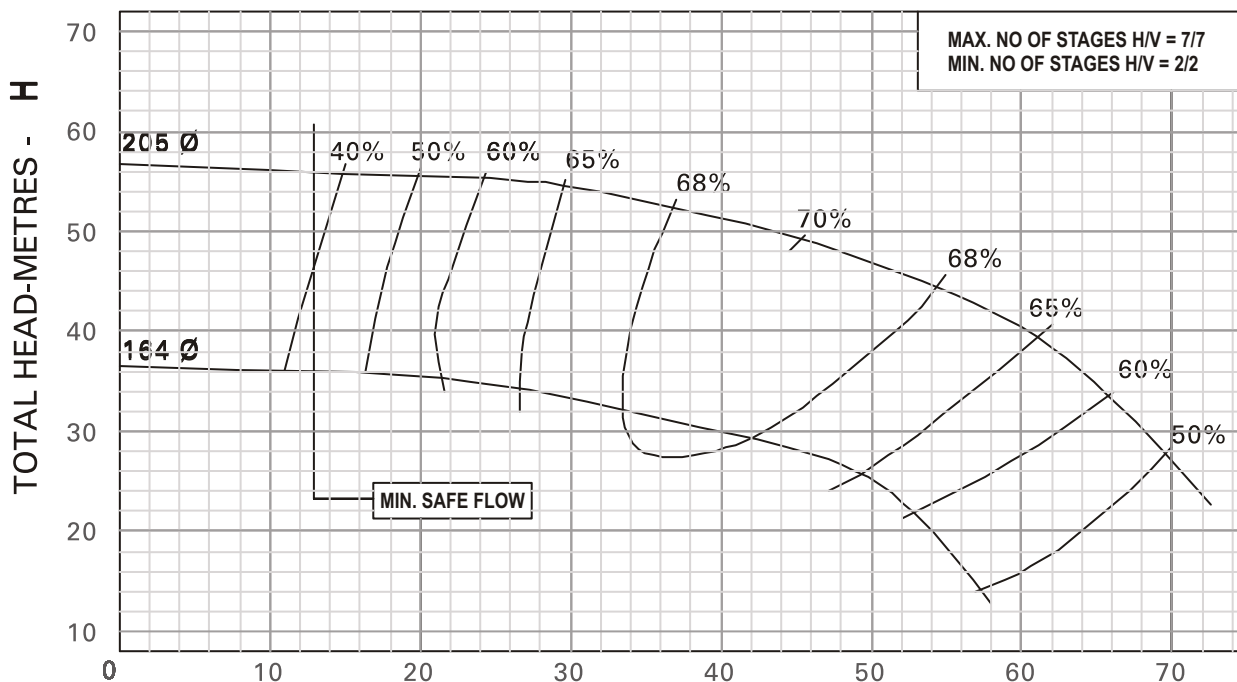
SUC. 65 mm DEL 50 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER

n = 2900 rpm (NOMINAL)



Enriching Lives



RECOMMENDED DELIVERY PIPE SIZE mm	65 Ø	80 Ø	100 Ø
RECOMMENDED SUCTION PIPE SIZE mm	80 Ø		100 Ø





## PERFORMANCE CURVE OF PUMP RKB\* 65/19E ( SINGLE STAGE )

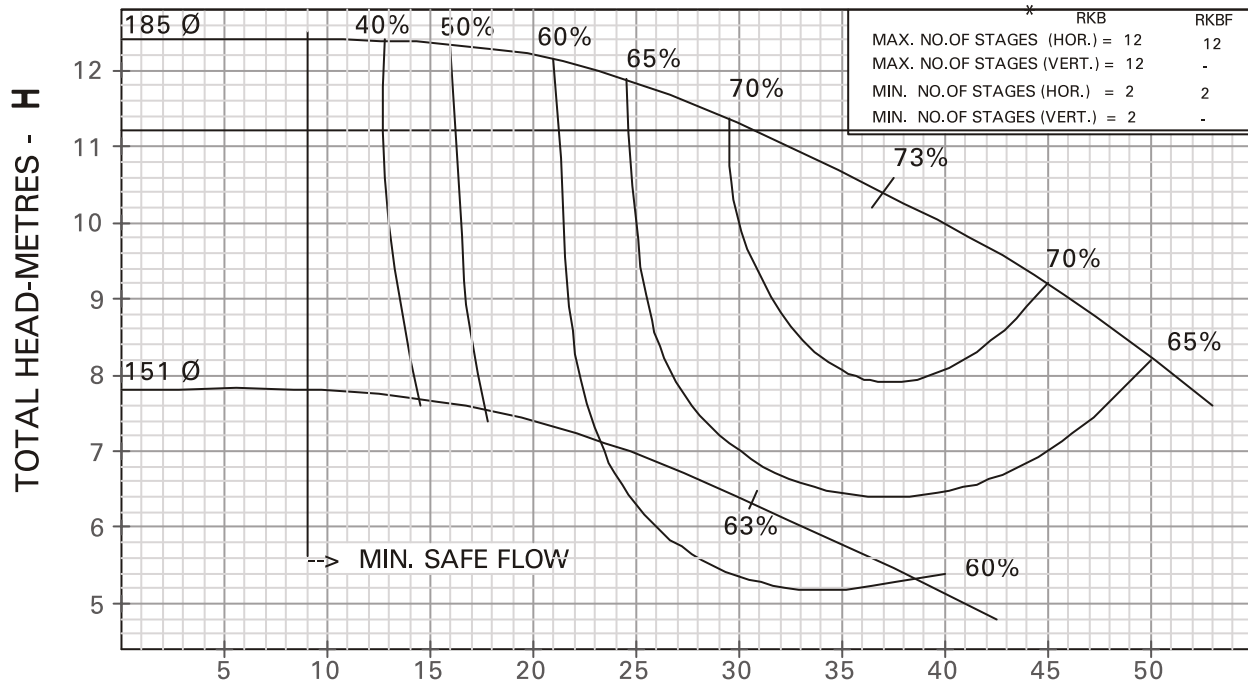
SUC. 80 mm DEL 65 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

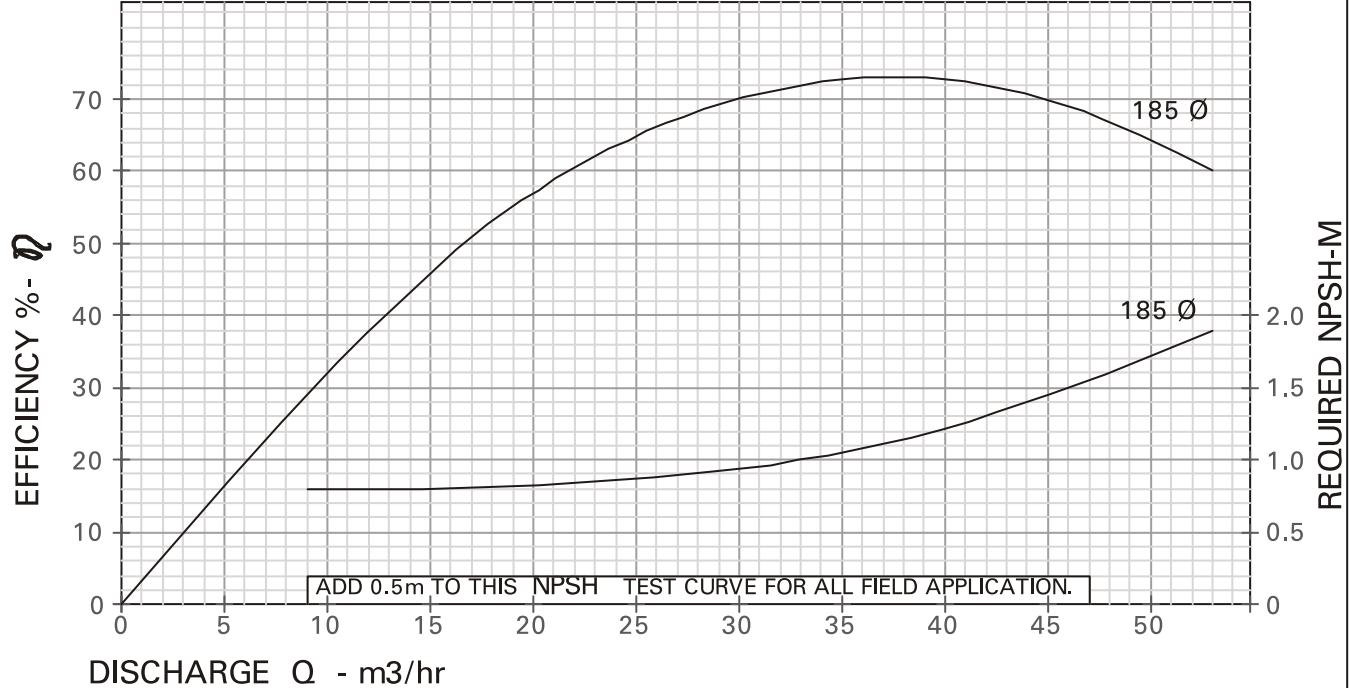
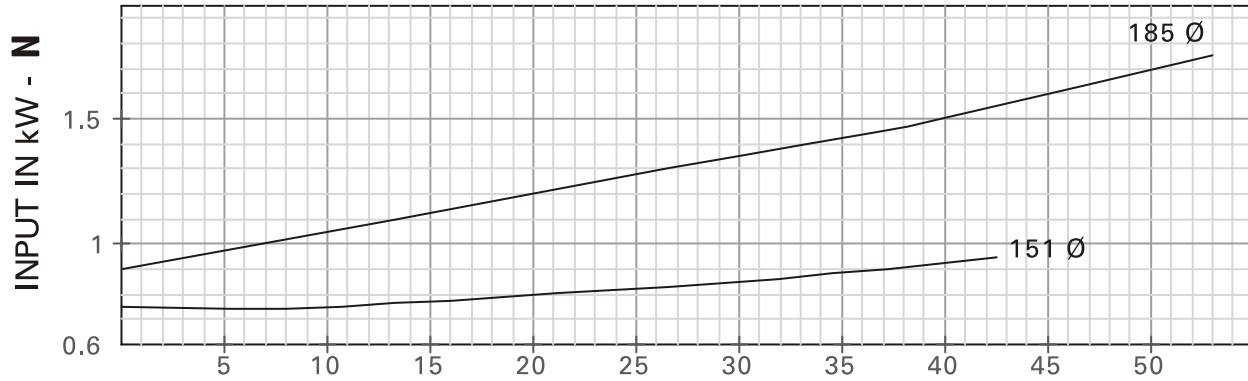
n = 1450 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



	RKB	RKBF
MAX. NO. OF STAGES (HOR.)	12	12
MAX. NO. OF STAGES (VERT.)	-	-
MIN. NO. OF STAGES (HOR.)	2	2
MIN. NO. OF STAGES (VERT.)	-	-



RECOMMENDED DELIVERY PIPE SIZE mm	100	125
RECOMMENDED SUCTION PIPE SIZE mm	100	125



## PERFORMANCE CURVE OF PUMP RKB\* 65/19E (SINGLE STAGE)

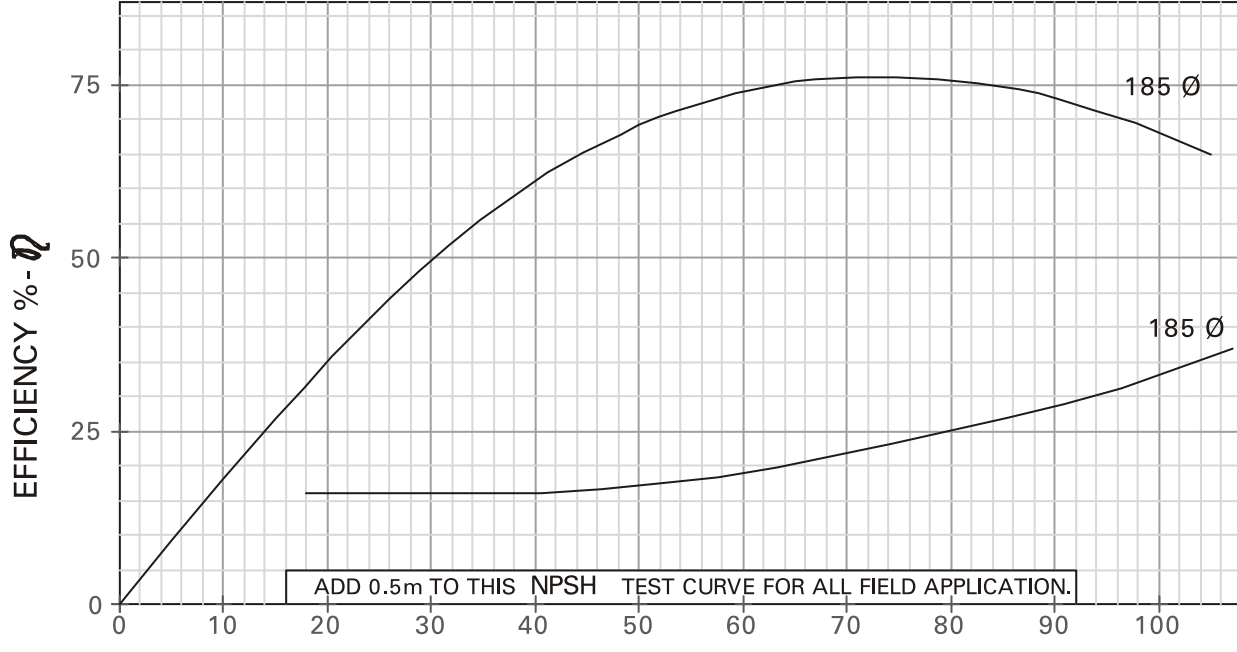
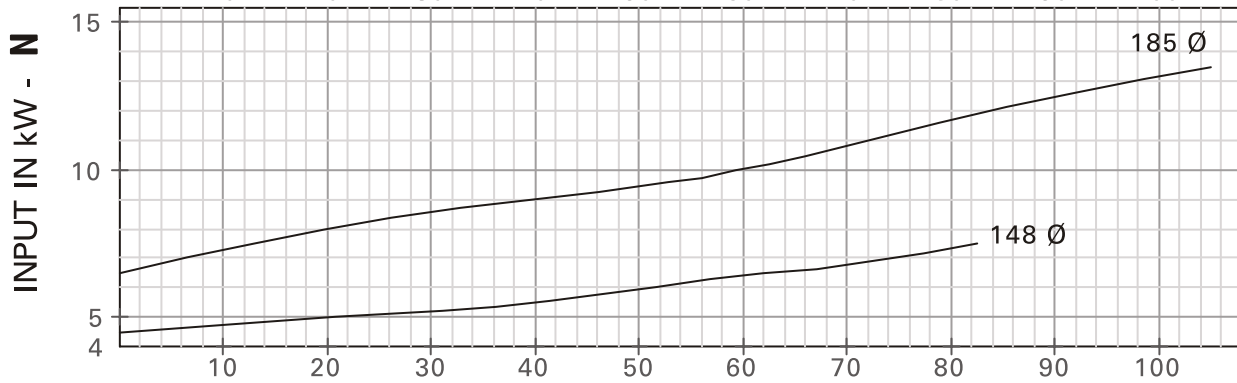
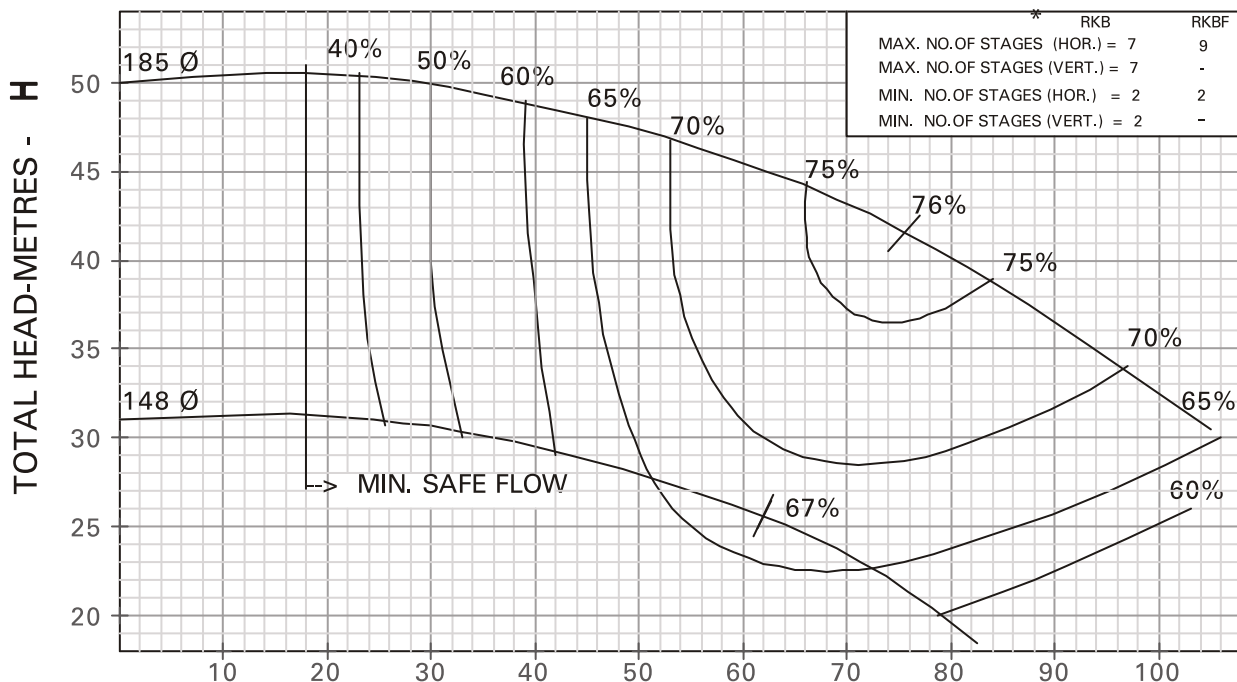
SUC. 80 mm DEL 65 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 2900 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



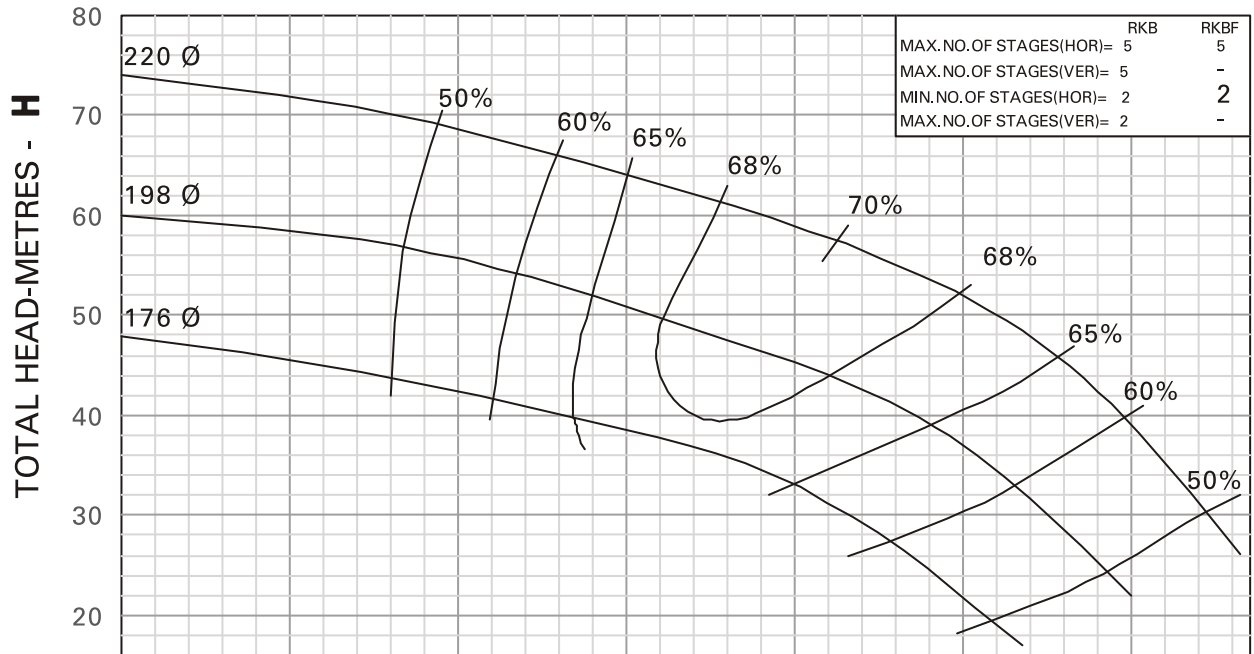
DISCHARGE Q - m3/hr

RECOMMENDED DELIVERY PIPE SIZE mm	100	125	150
RECOMMENDED SUCTION PIPE SIZE mm	100	125	150

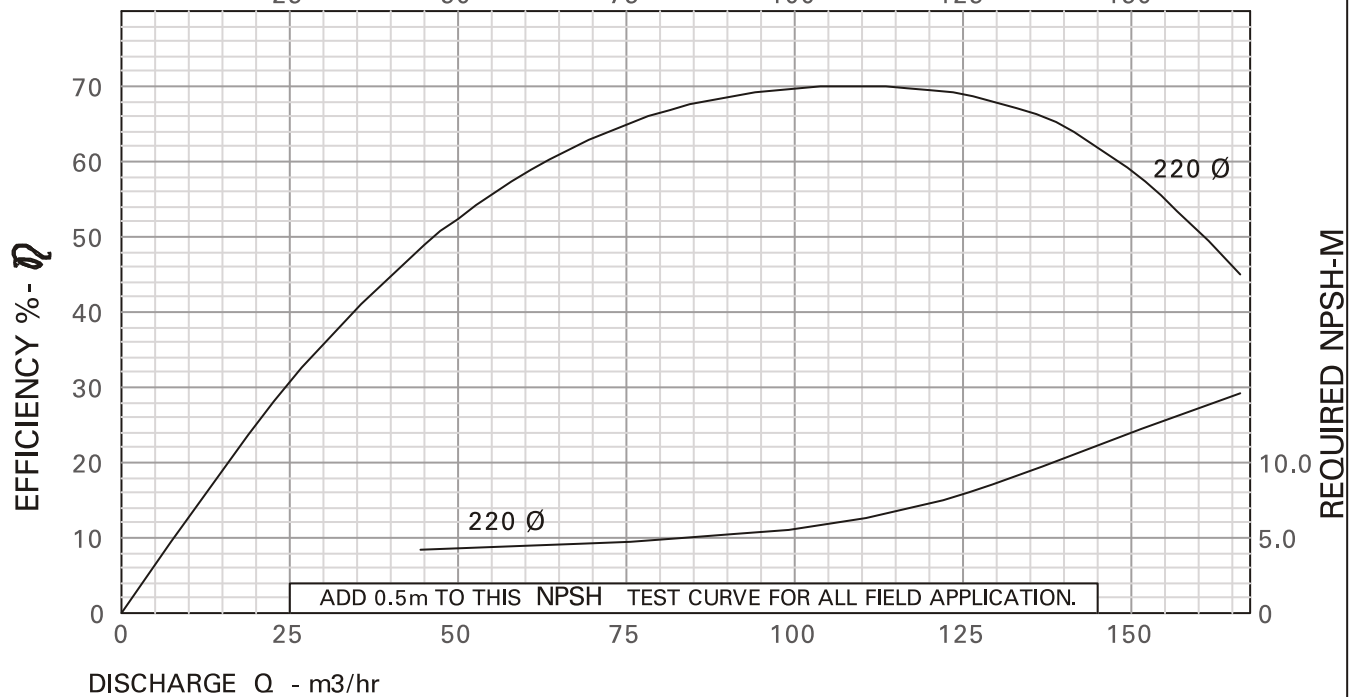
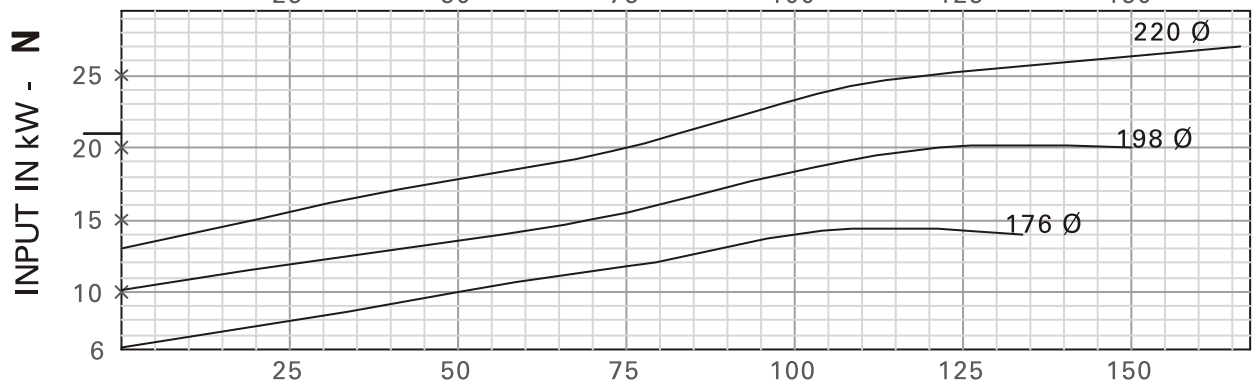


THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL AND CLEAR LIQUIDS

FOR HIGHER STAGES REFER P.E.D.



	RKB	RKBF
MAX.NO.OF STAGES(HOR)=	5	5
MAX.NO.OF STAGES(VER)=	5	-
MIN.NO.OF STAGES(HOR)=	2	2
MAX.NO.OF STAGES(VER)=	2	-



ADD 0.5m TO THIS NPSH TEST CURVE FOR ALL FIELD APPLICATION.

RECOMMENDED DELIVERY PIPE SIZE mm	100 Ø	125 Ø	150 Ø
RECOMMENDED SUCTION PIPE SIZE mm	100 Ø	125 Ø	150 Ø



## PERFORMANCE CURVE OF PUMP RKB\* 65/19L (SINGLE STAGE)

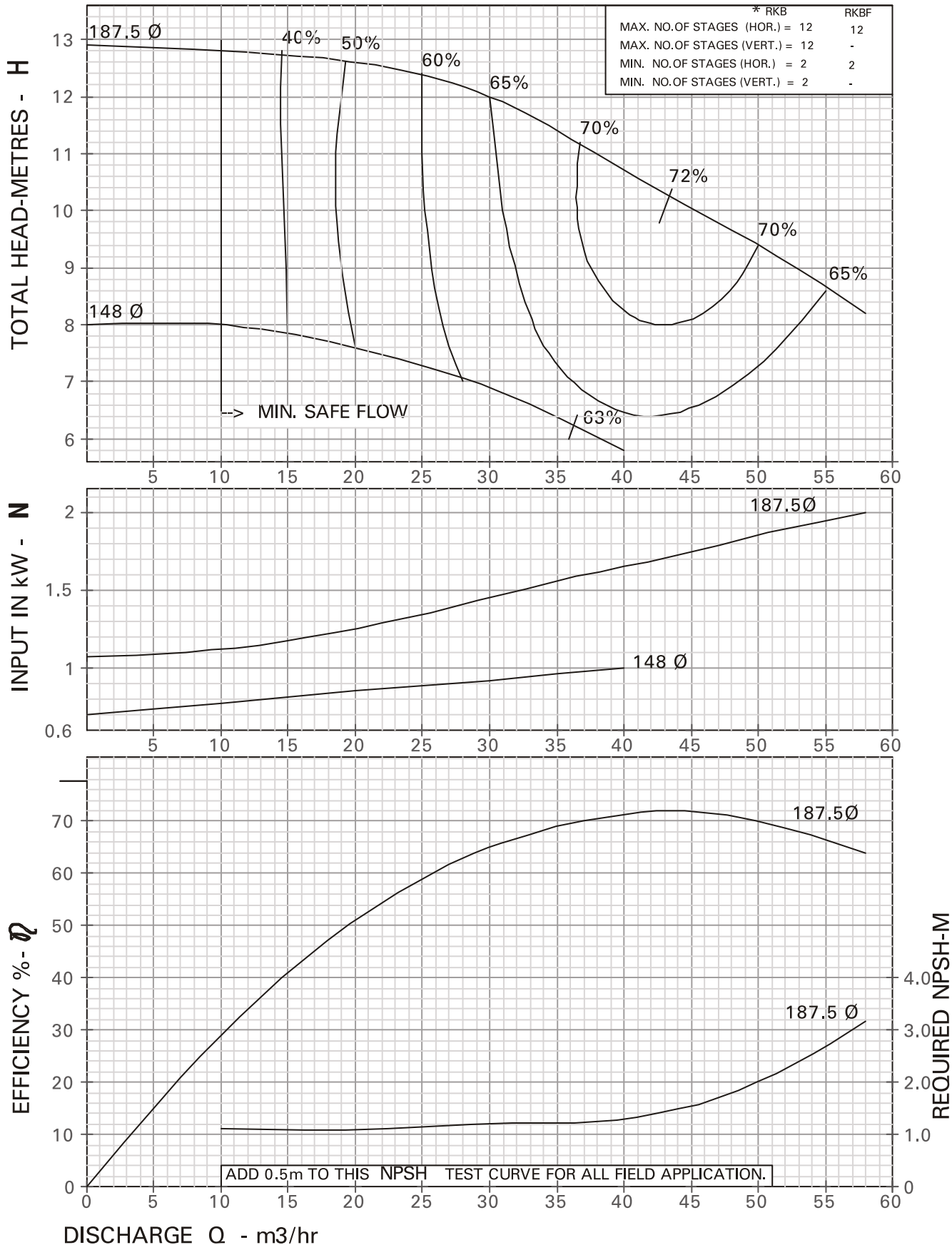
SUC. 80 mm DEL 65 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 1450 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



	* RKB	RKBF
MAX. NO.OF STAGES (HOR.)	12	12
MAX. NO.OF STAGES (VERT.)	12	-
MIN. NO.OF STAGES (HOR.)	2	2
MIN. NO.OF STAGES (VERT.)	2	-

RECOMMENDED DELIVERY PIPE SIZE mm	100	125
RECOMMENDED SUCTION PIPE SIZE mm	100	125

ADD 0.5m TO THIS NPSH TEST CURVE FOR ALL FIELD APPLICATION.

# KIRLOSKAR BROTHERS LIMITED

NO. HD11336AA01



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PERFORMANCE CURVE OF PUMP RKB\* 65-19L (SINGLE STAGE)

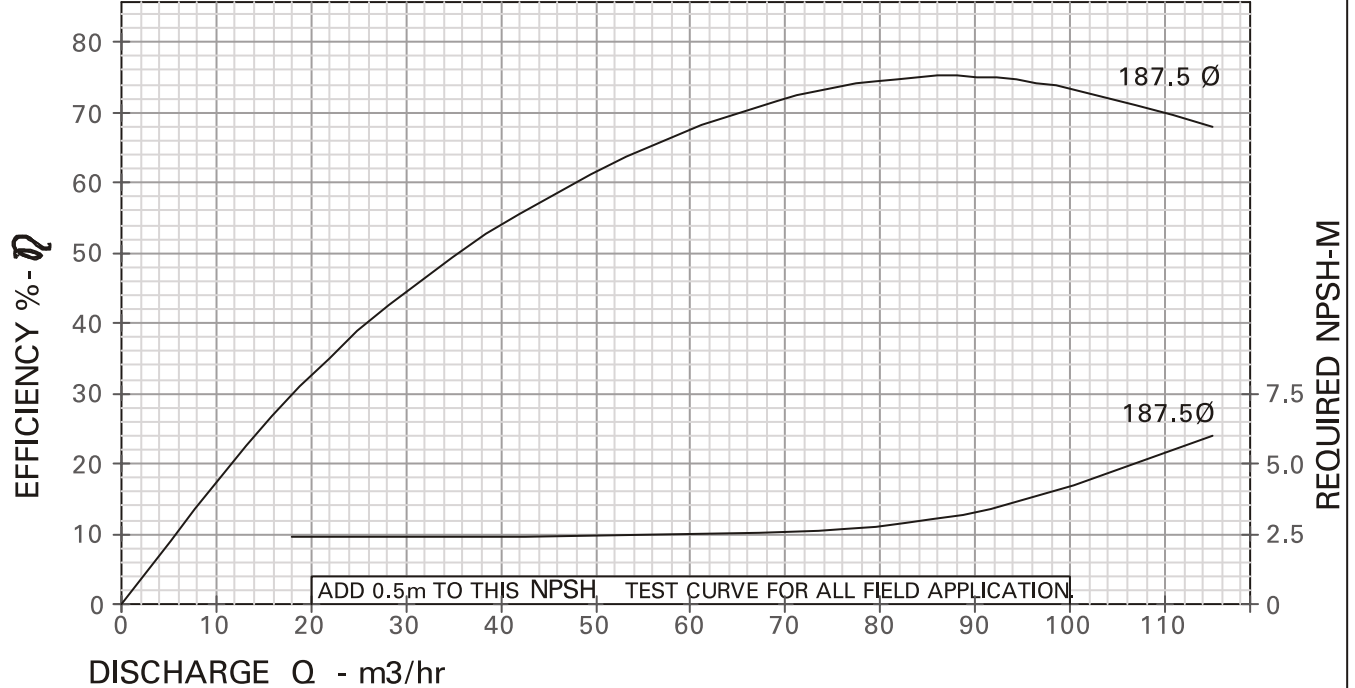
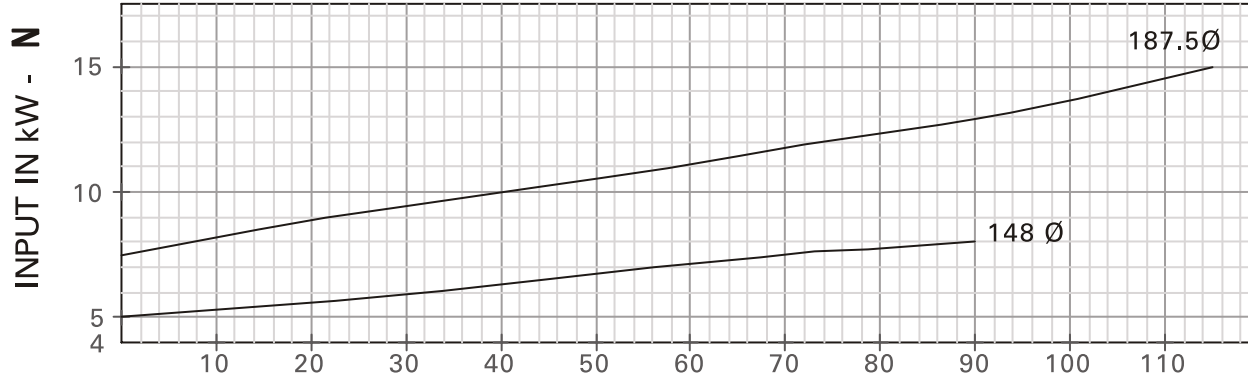
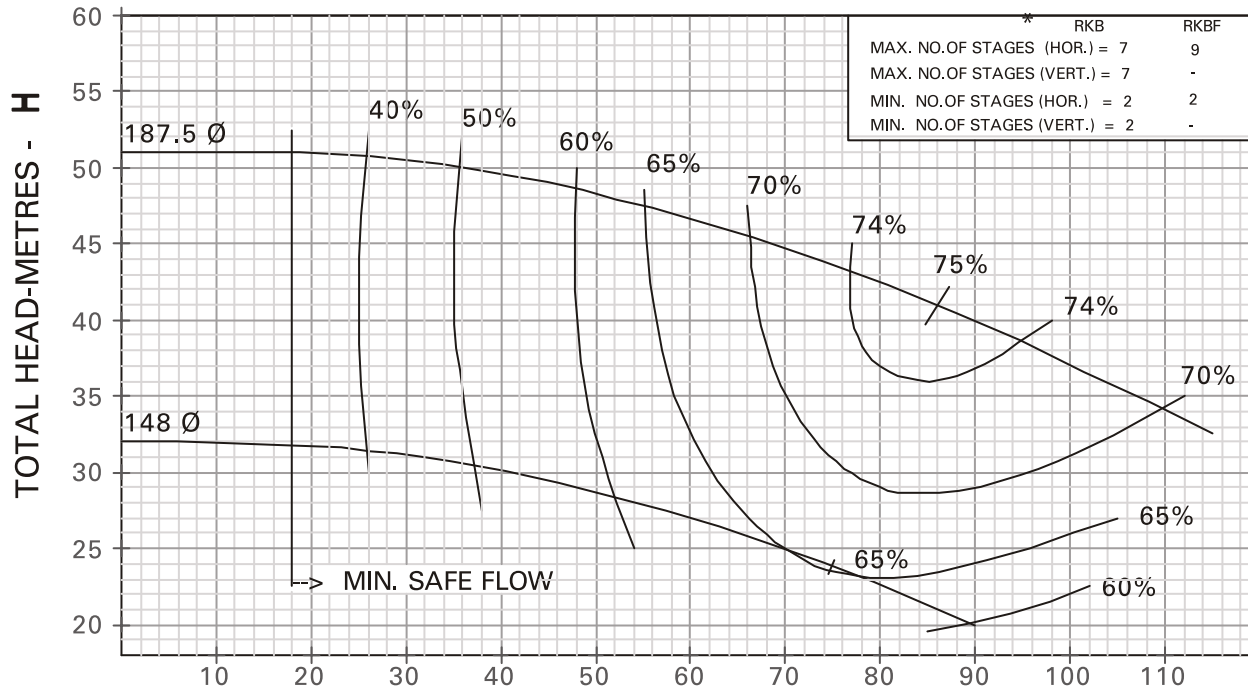
SUC. 80 mm DEL 65 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 2900 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



ADD 0.5m TO THIS NPSH<sub>1</sub> TEST CURVE FOR ALL FIELD APPLICATION

RECOMMENDED DELIVERY PIPE SIZE mm	100	125	150	150
RECOMMENDED SUCTION PIPE SIZE mm	100	125	150	200



## PERFORMANCE CURVE OF PUMP RKB 65/19LM ( SINGLE STAGE )

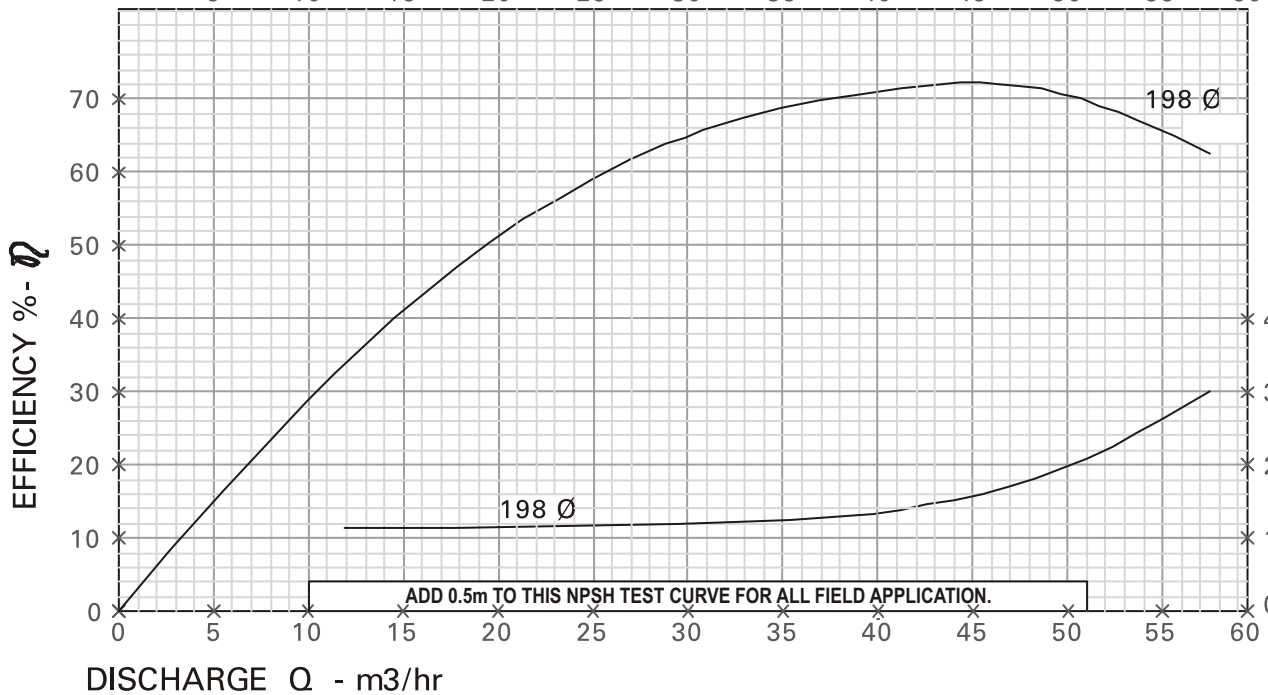
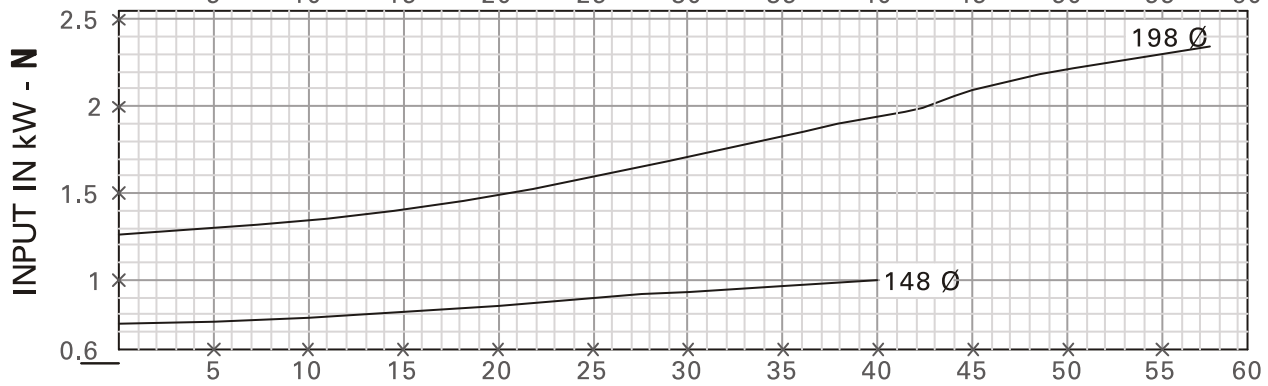
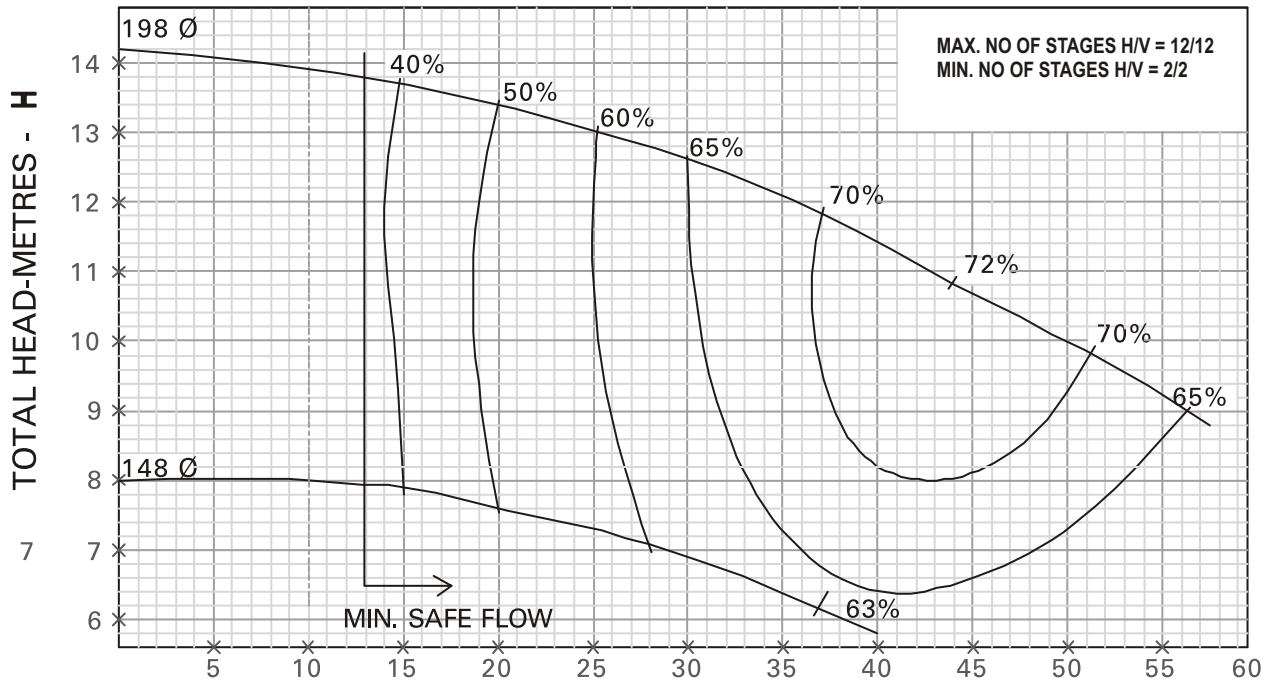
SUC. 80 mm DEL 65 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER

N = 1450 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID

FOR HIGHER STAGES REFER P.E.D.

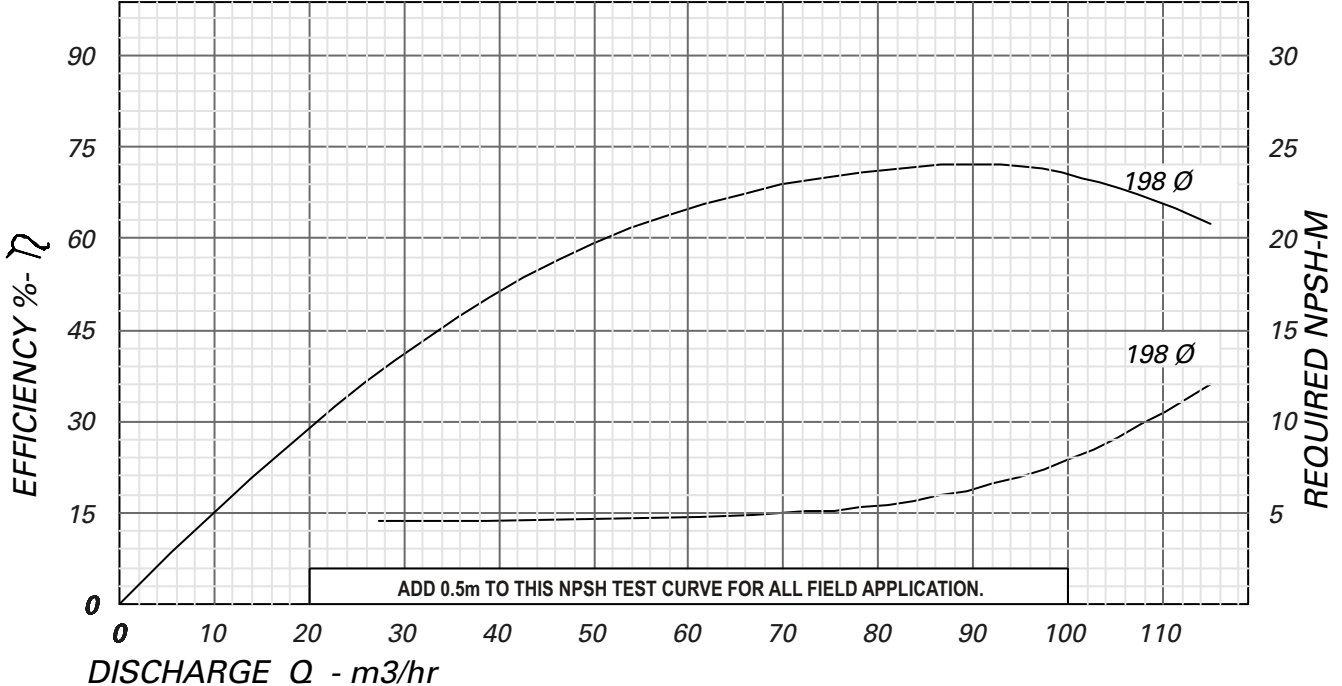
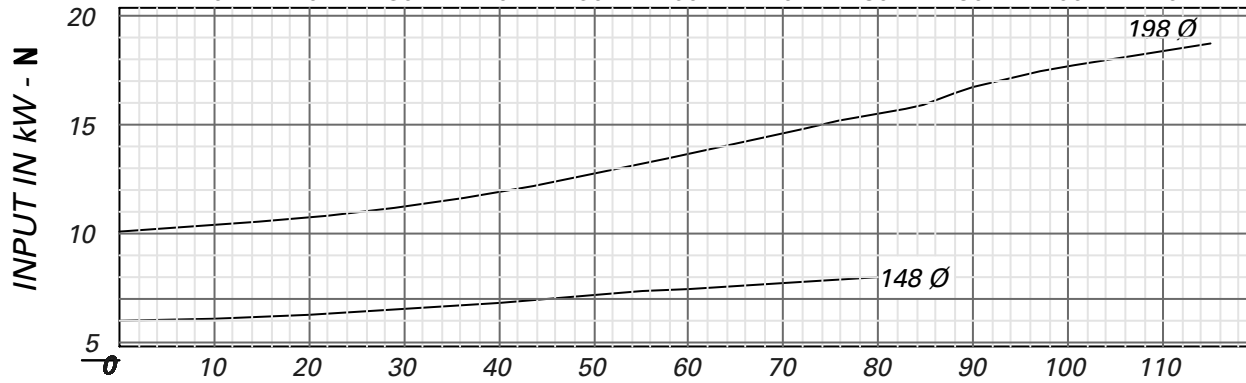
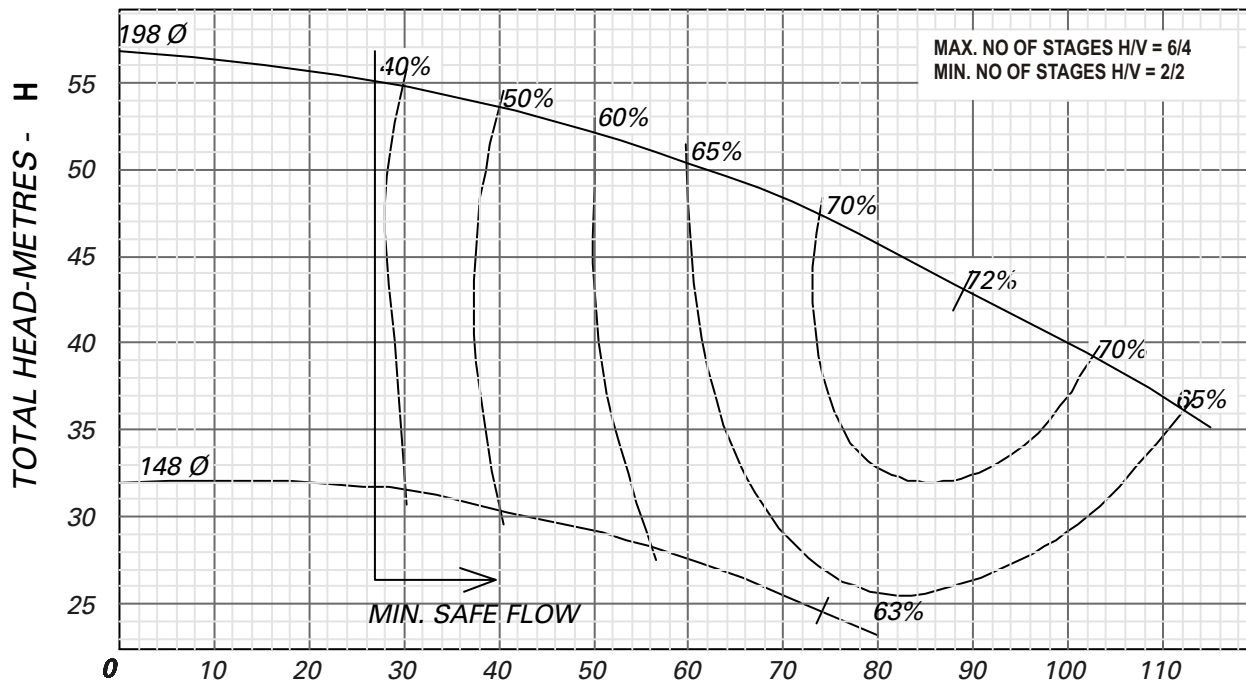


RECOMMENDED DELIVERY PIPE SIZE mm	100 Ø	125 Ø
RECOMMENDED SUCTION PIPE SIZE mm	100 Ø	125 Ø



THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID

FOR HIGHER STAGES REFER P.E.D.



RECOMMENDED DELIVERY PIPE SIZE mm	100 Ø	125 Ø
RECOMMENDED SUCTION PIPE SIZE mm	100 Ø	125 Ø

# KIRLOSKAR BROTHERS LIMITED

No.HA129930240



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## PERFORMANCE CURVE OF PUMP RKB65/24

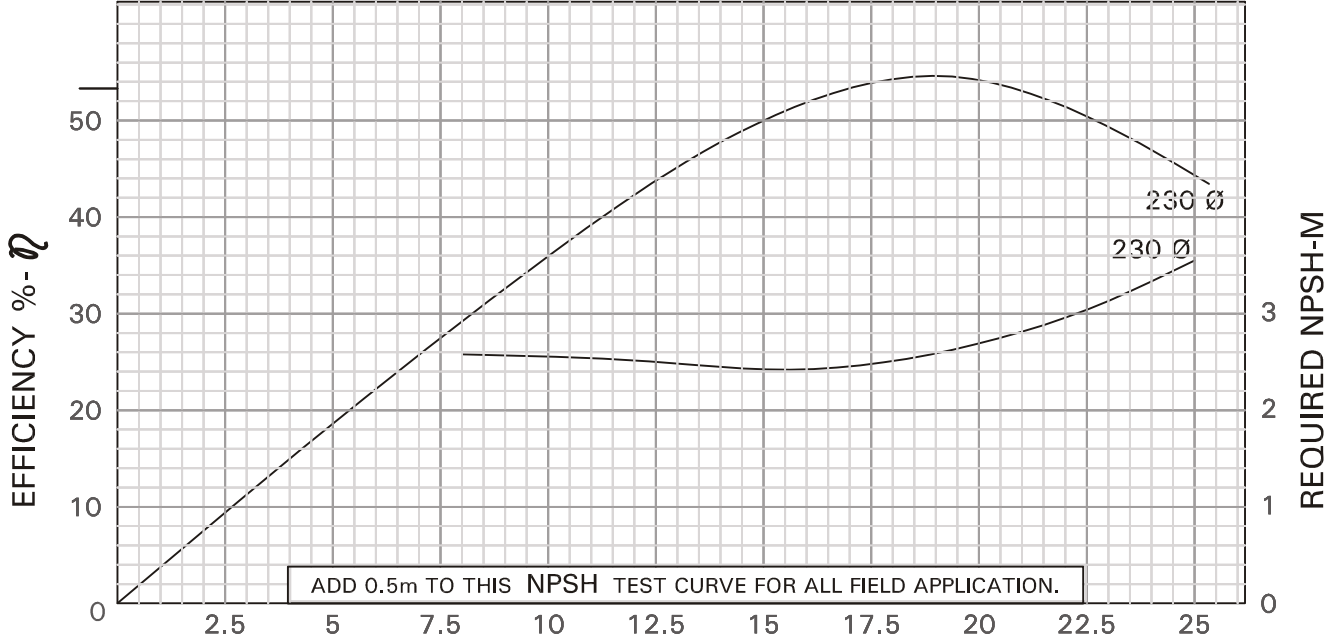
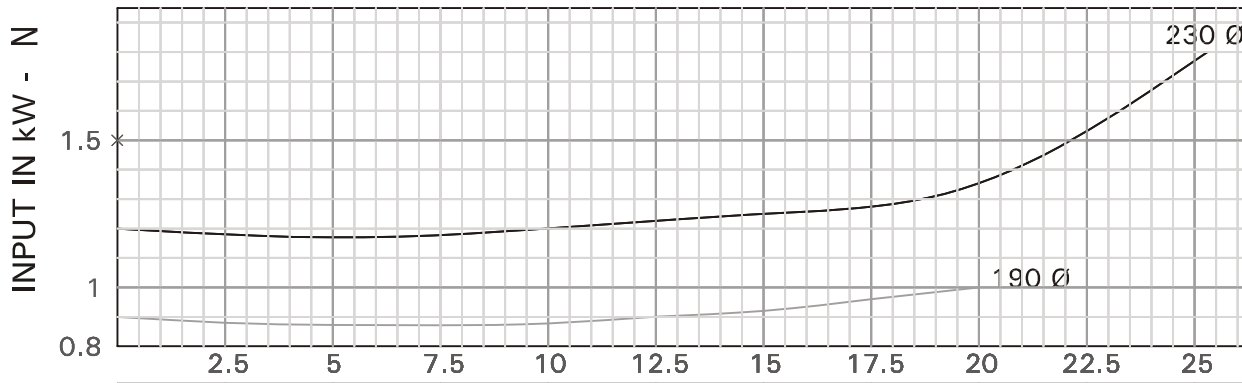
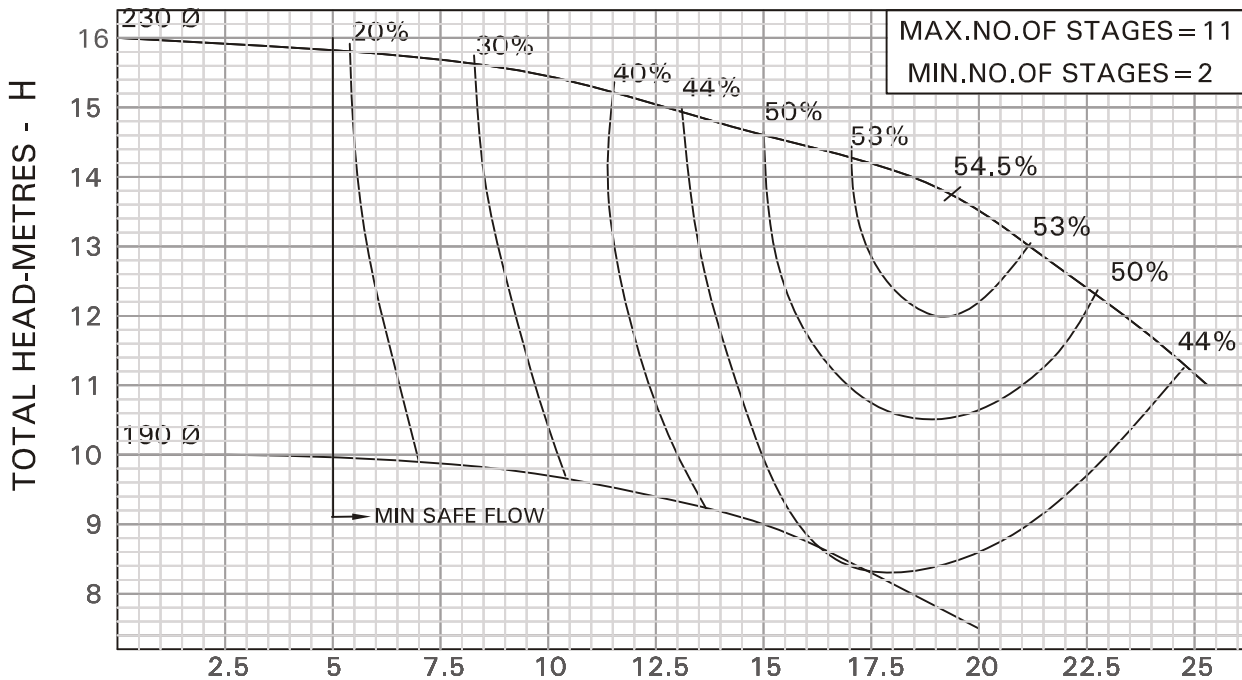
SUC.80 mm DEL 65 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER

n = 1470 rpm  
(NOMINAL)

THIS CURVE APPLICABLE FOR STANDRED MATERIAL & CLEAR LIQUID

FOR HIGHER STAGES REFER P.E.D



DISCHARGE Q - m3/hr

RECOMMENDED DELIVERY PIPE SIZE mm	80	100	125
RECOMMENDED SUCTION PIPE SIZE mm	80	100	125





## PERFORMANCE CURVE OF PUMP RKB\* 100/23E (SINGLE STAGE)

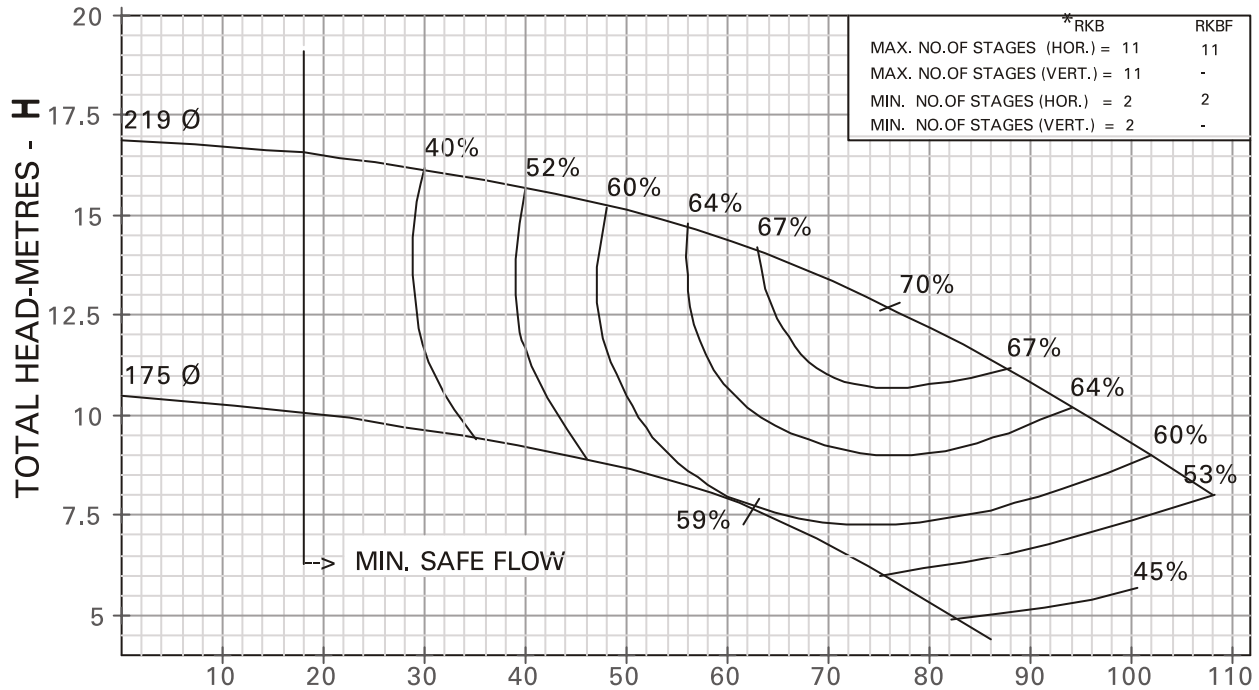
SUC. 125mm DEL100 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

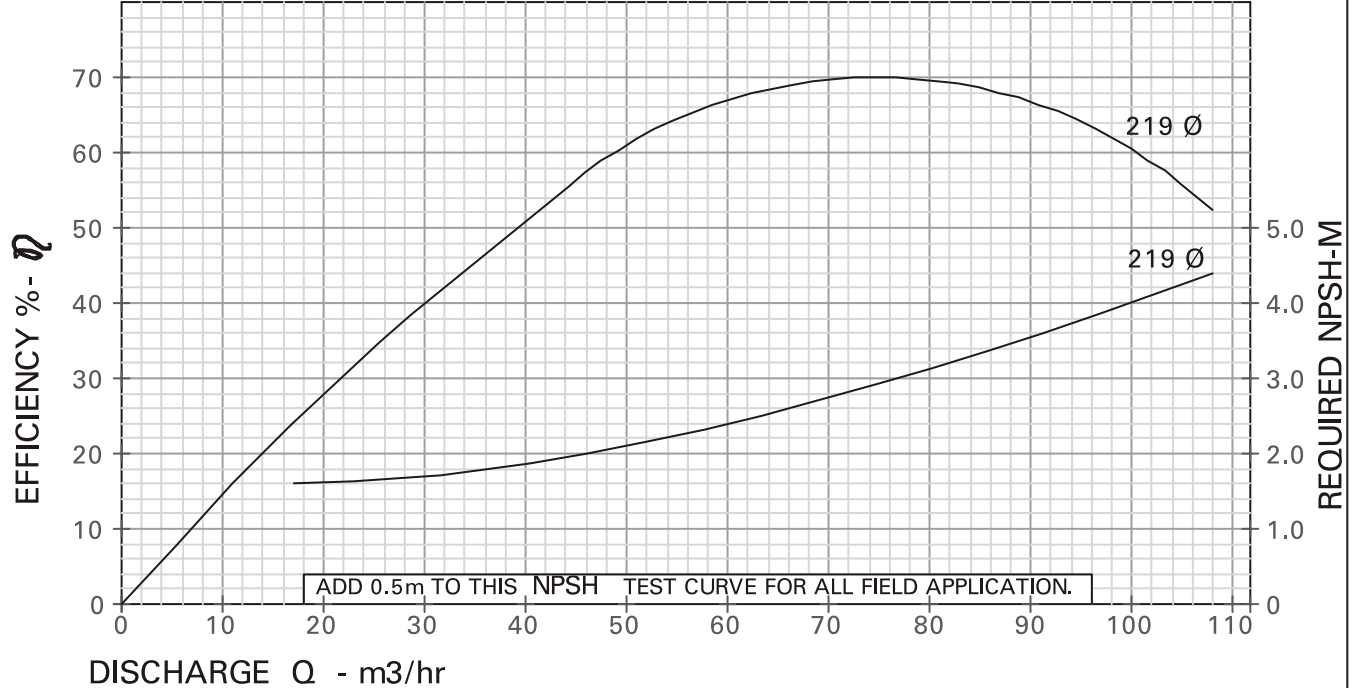
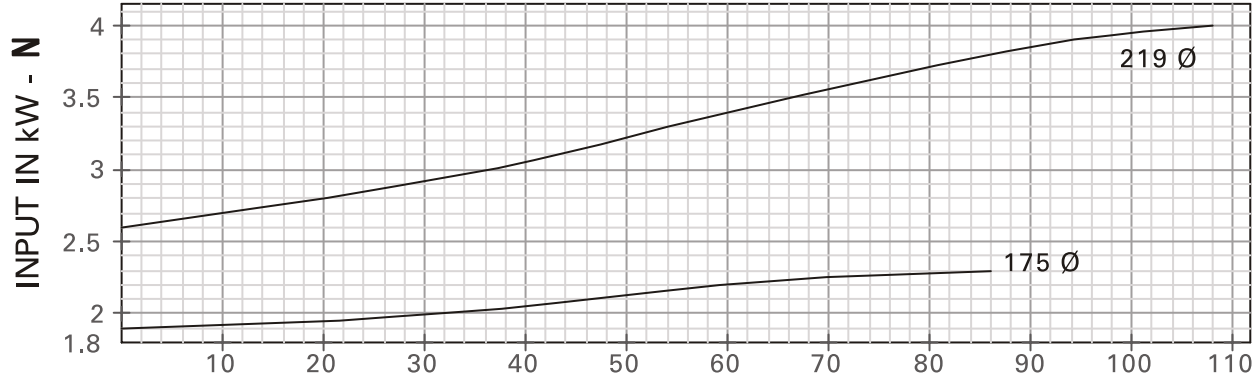
n = 1450 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



	*RKB	RKBF
MAX. NO.OF STAGES (HOR.)	= 11	11
MAX. NO.OF STAGES (VERT.)	= 11	-
MIN. NO.OF STAGES (HOR.)	= 2	2
MIN. NO.OF STAGES (VERT.)	= 2	-



ADD 0.5m TO THIS NPSH TEST CURVE FOR ALL FIELD APPLICATION.

RECOMMENDED DELIVERY PIPE SIZE mm	125	150
RECOMMENDED SUCTION PIPE SIZE mm	150	



## PERFORMANCE CURVE OF PUMP RKB\* 100/23E (SINGLE STAGE)

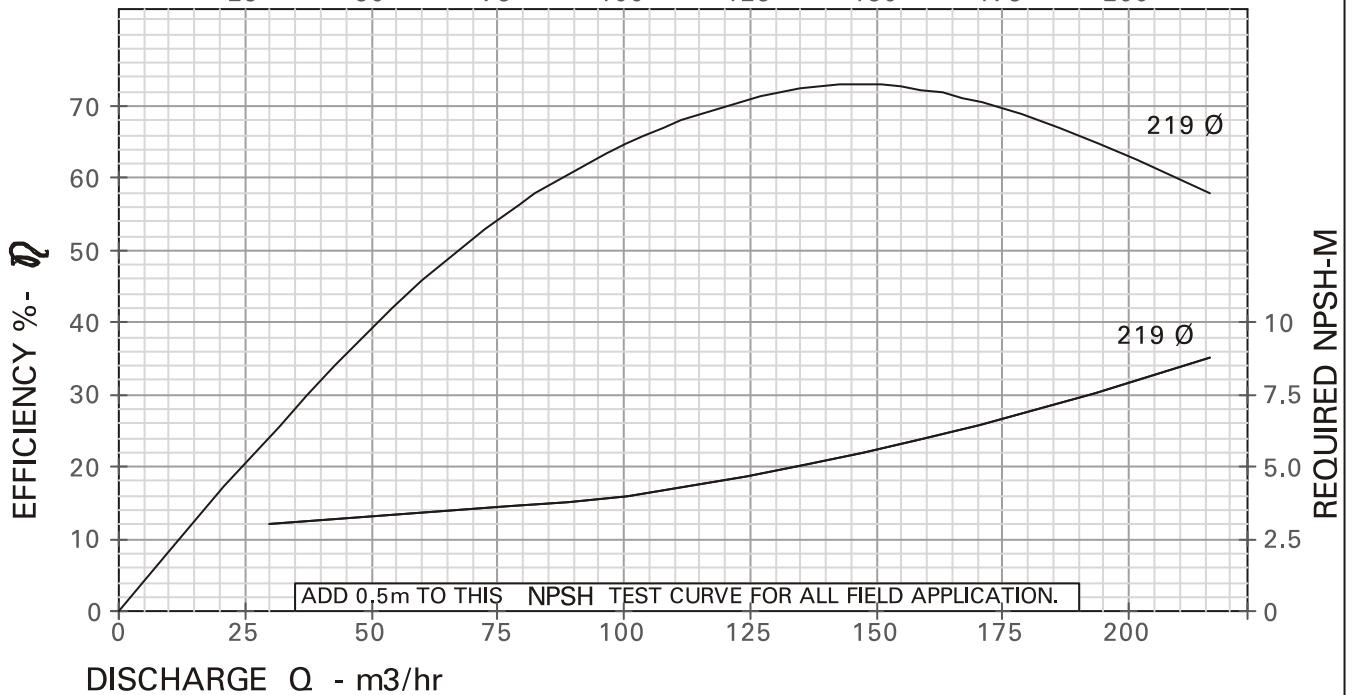
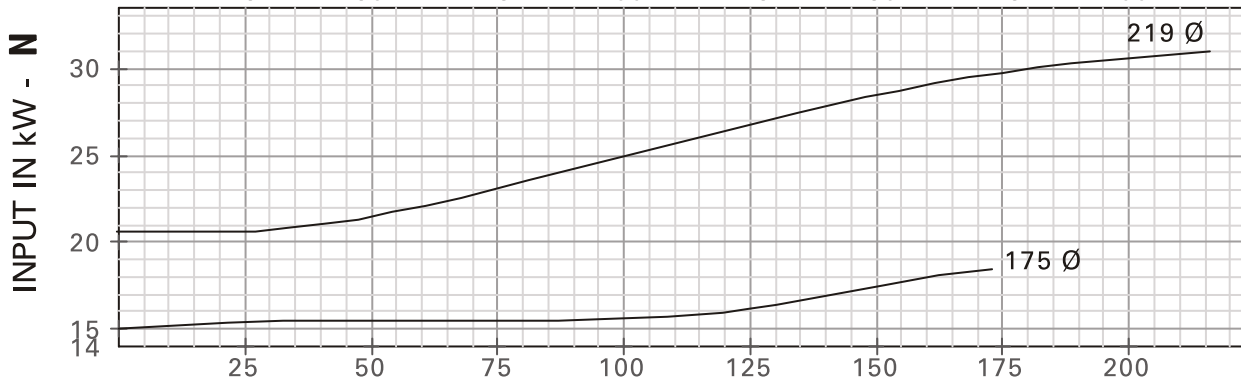
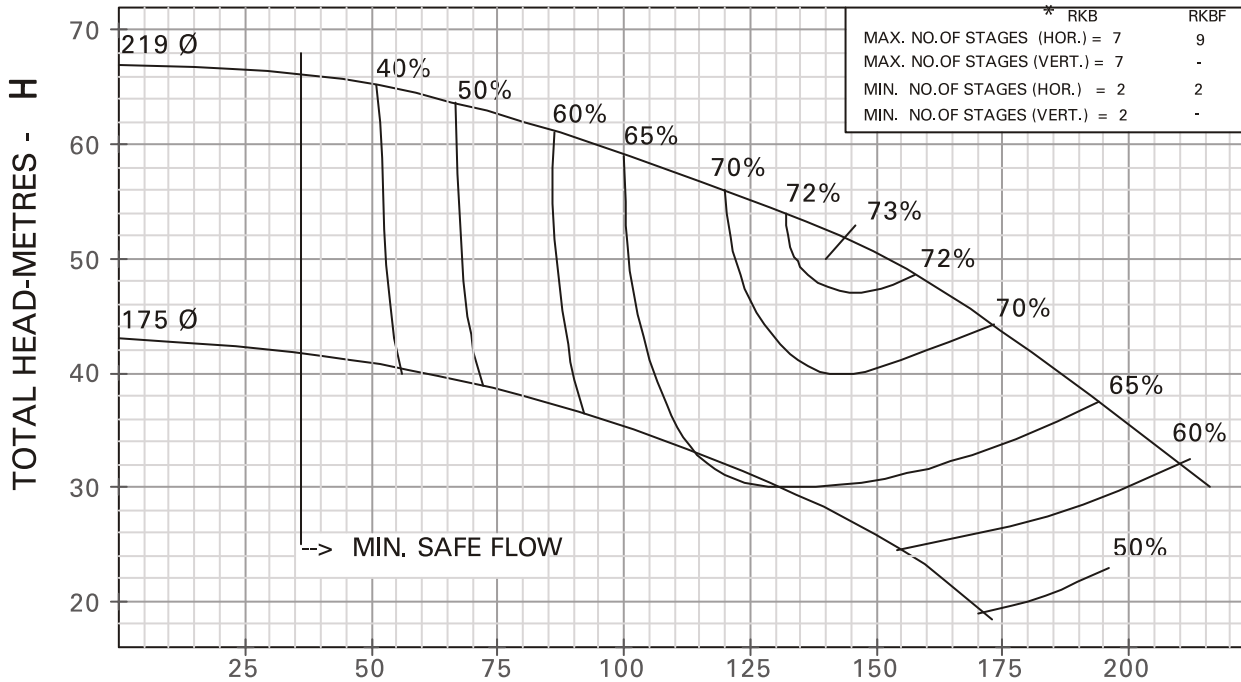
SUC. 125mm DEL 100 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 2900 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



RECOMMENDED DELIVERY PIPE SIZE mm	125	150	200
RECOMMENDED SUCTION PIPE SIZE mm	150		200

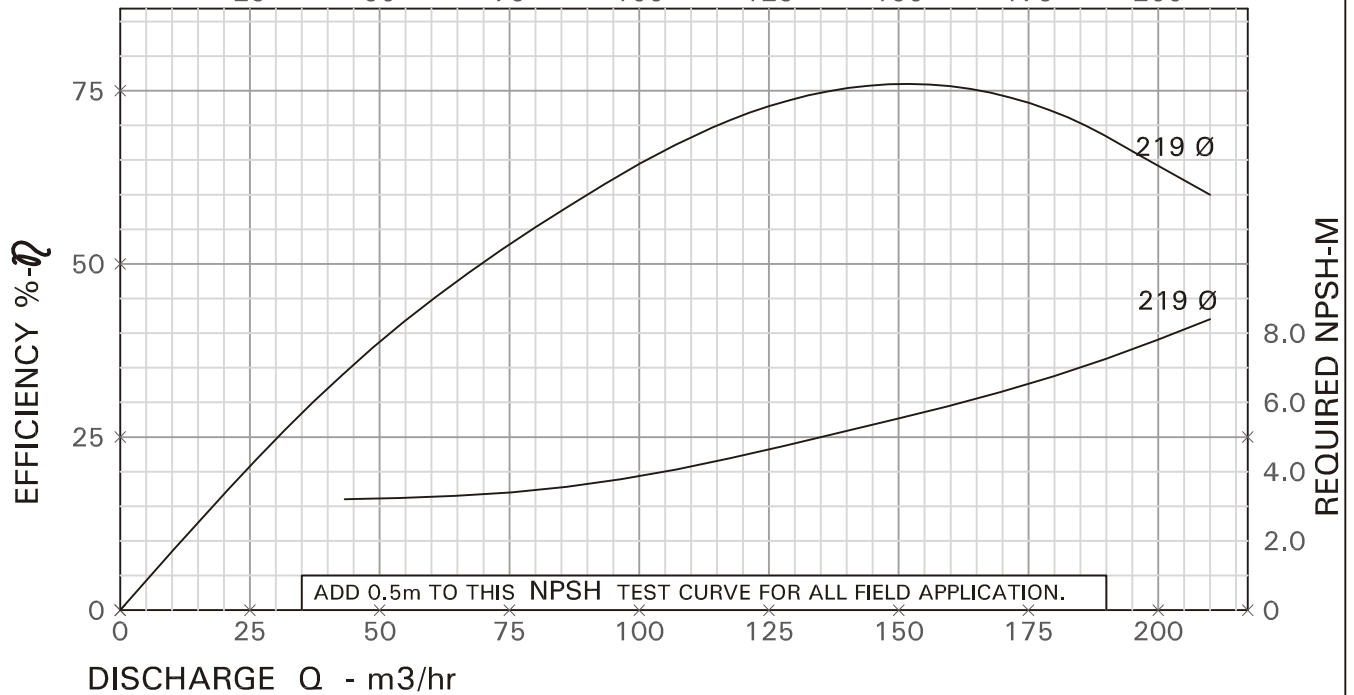
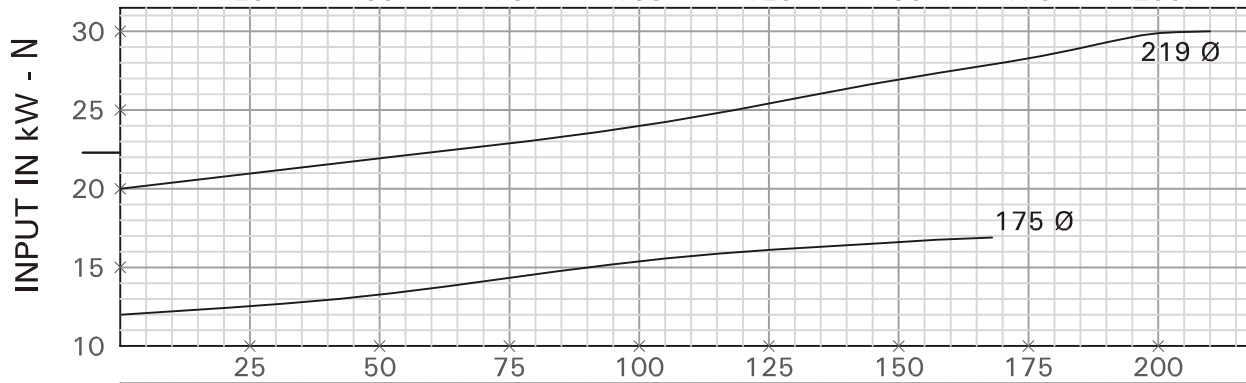
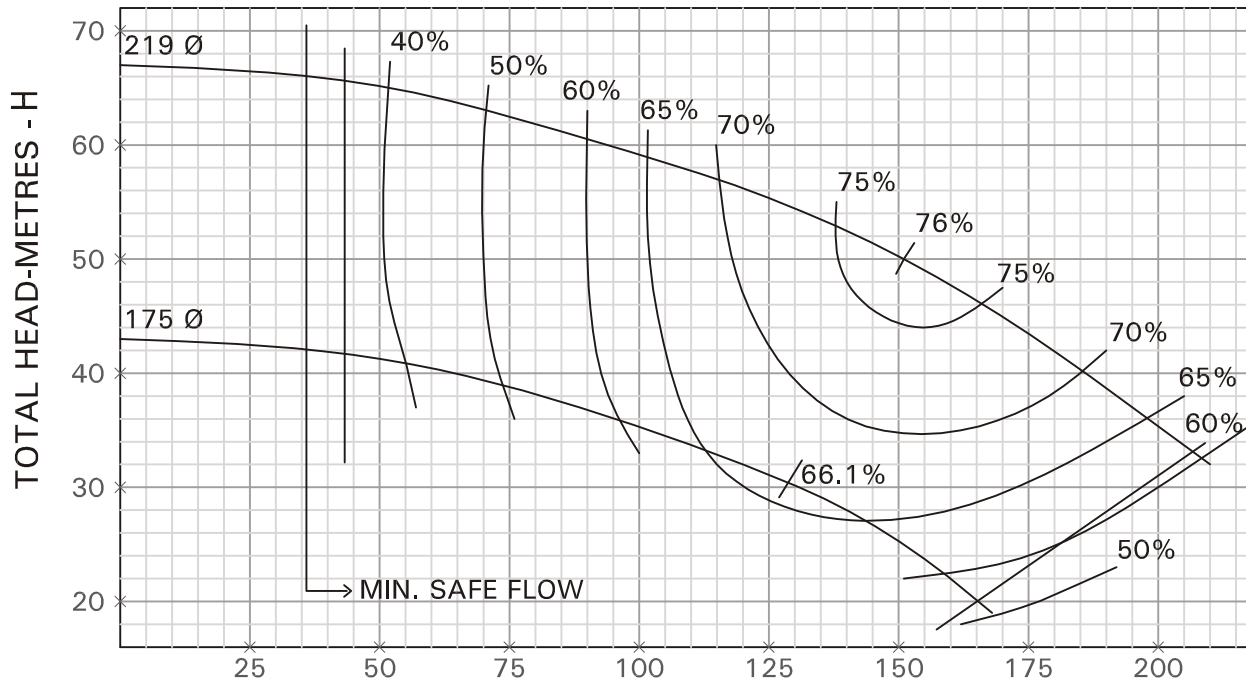


## PERFORMANCE CURVE OF PUMP RKB100/23M

SUC. 125mm DEL 100mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0

$n = 2900^{rpm}$   
(NOMINAL)



RECOMMENDED DELIVERY PIPE SIZE mm	125	150	200
RECOMMENDED SUCTION PIPE SIZE mm	150	200	



## PERFORMANCE CURVE OF PUMP RKB\* 125/27 (SINGLE STAGE)

SUC.150 mm DEL125 mm

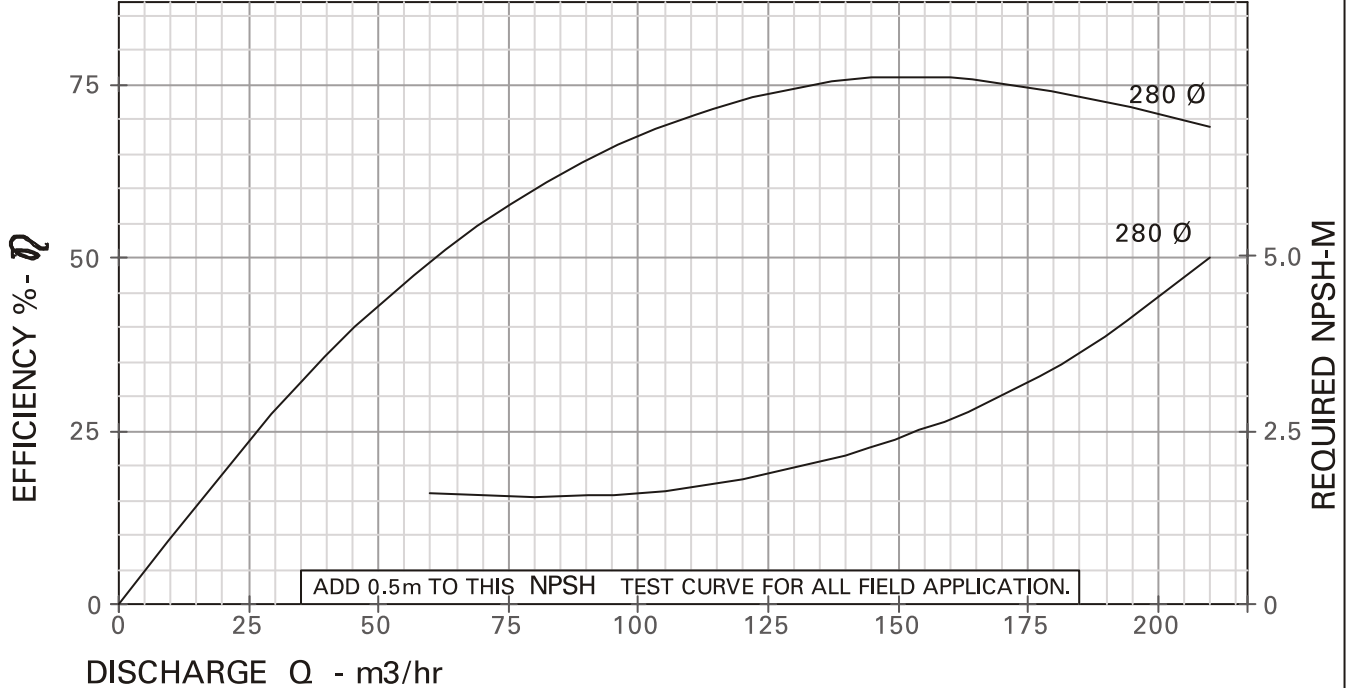
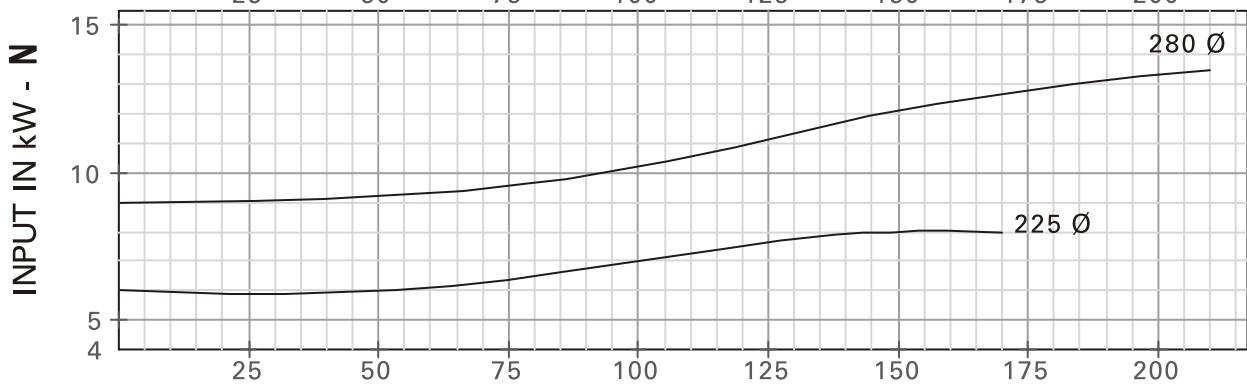
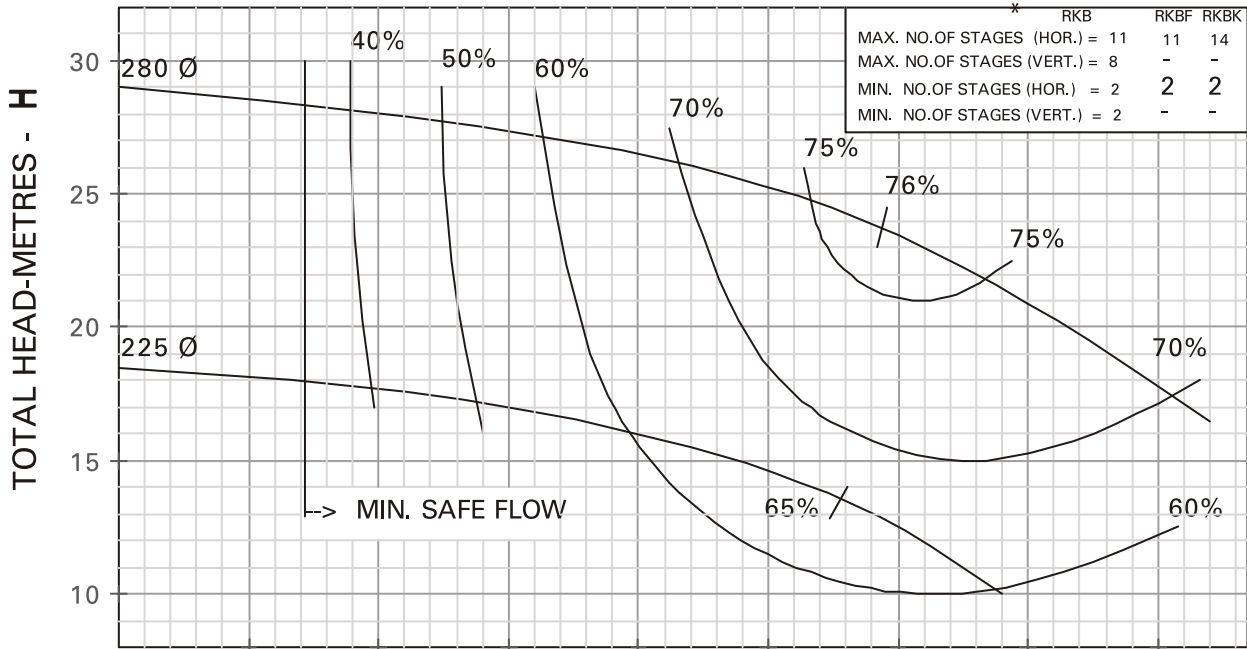
THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = **1470 rpm**  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.

	RKB	RKBF	RKBK
MAX. NO.OF STAGES (HOR.) =	11	11	14
MAX. NO.OF STAGES (VERT.) =	8	-	-
MIN. NO.OF STAGES (HOR.) =	2	2	2
MIN. NO.OF STAGES (VERT.) =	2	-	-



RECOMMENDED DELIVERY PIPE SIZE mm	150	200
RECOMMENDED SUCTION PIPE SIZE mm	150	200



## PERFORMANCE CURVE OF PUMP RKB\* 125/30 (SINGLE STAGE)

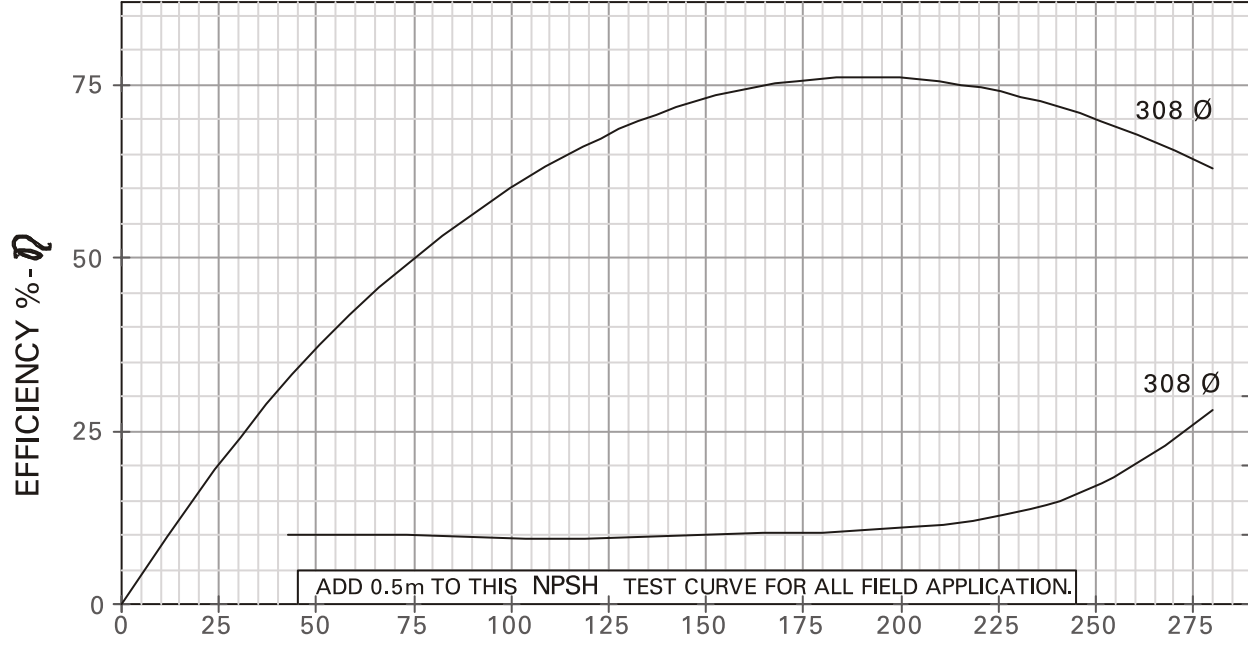
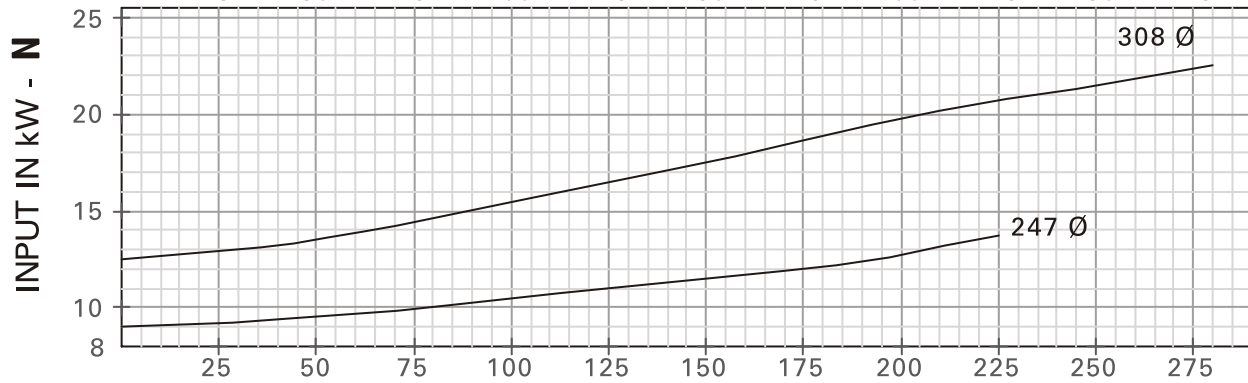
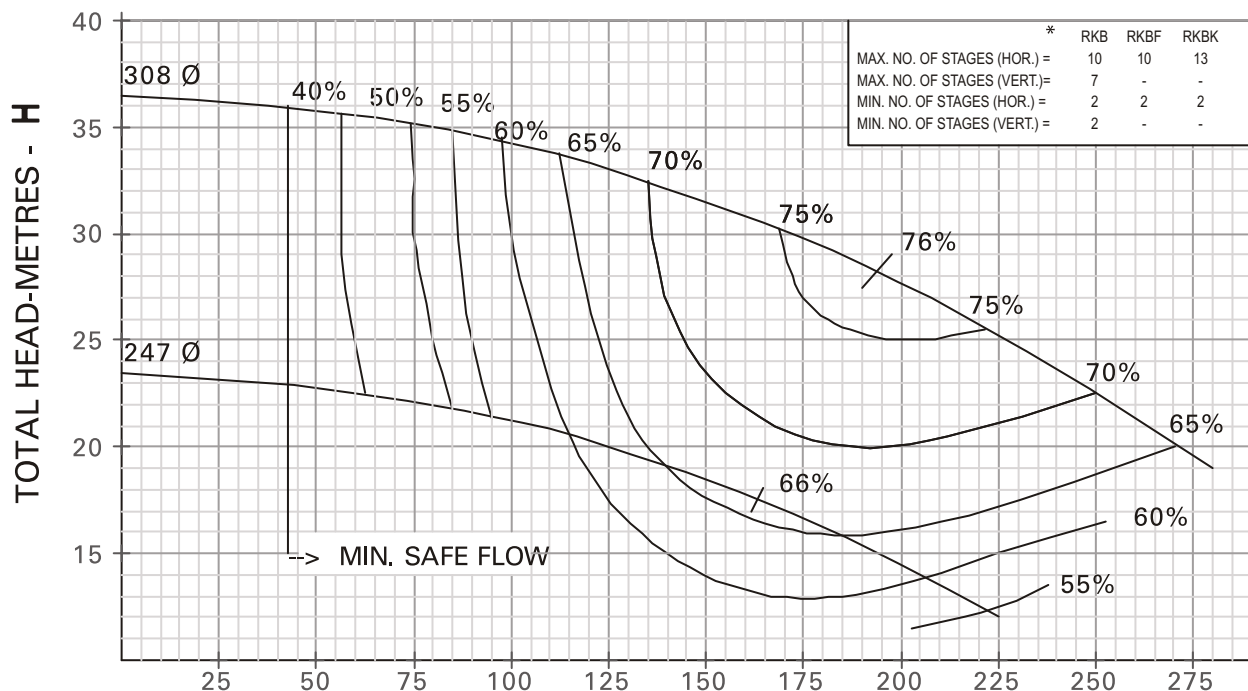
SUC.150 mm DEL 125mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 1470 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



REQUIRED NPSH-M

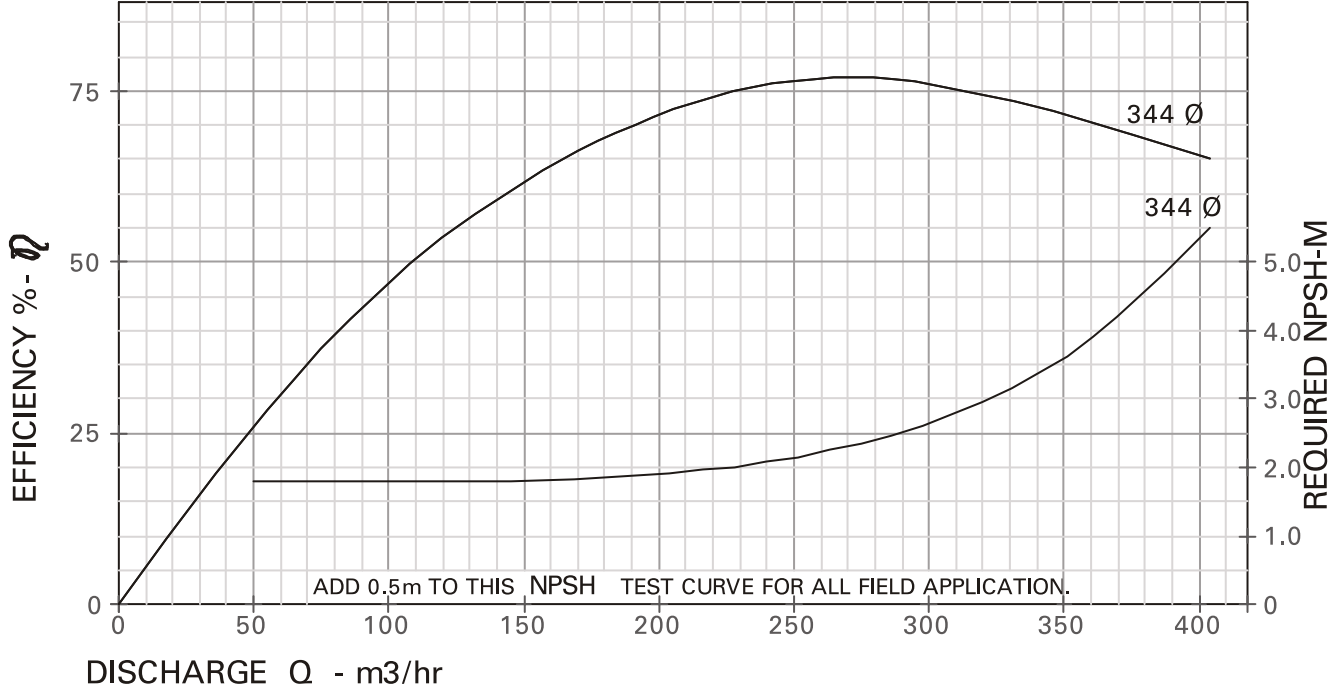
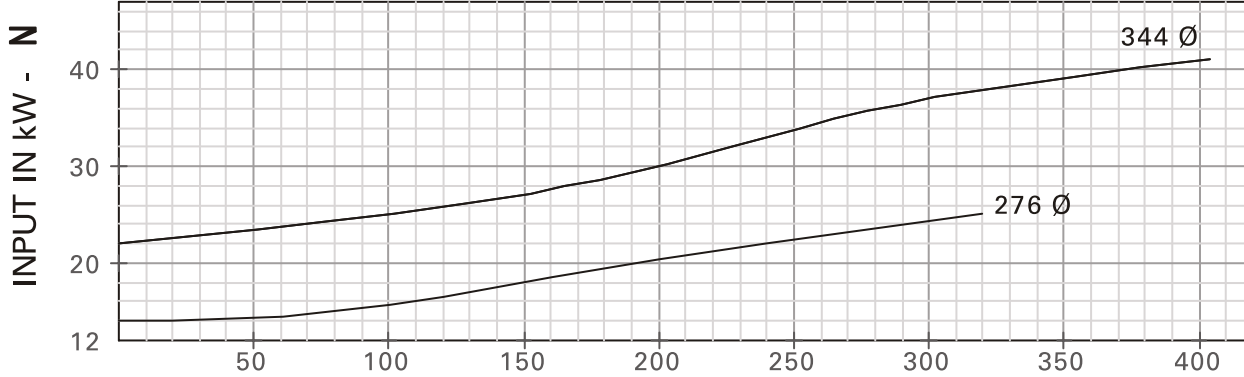
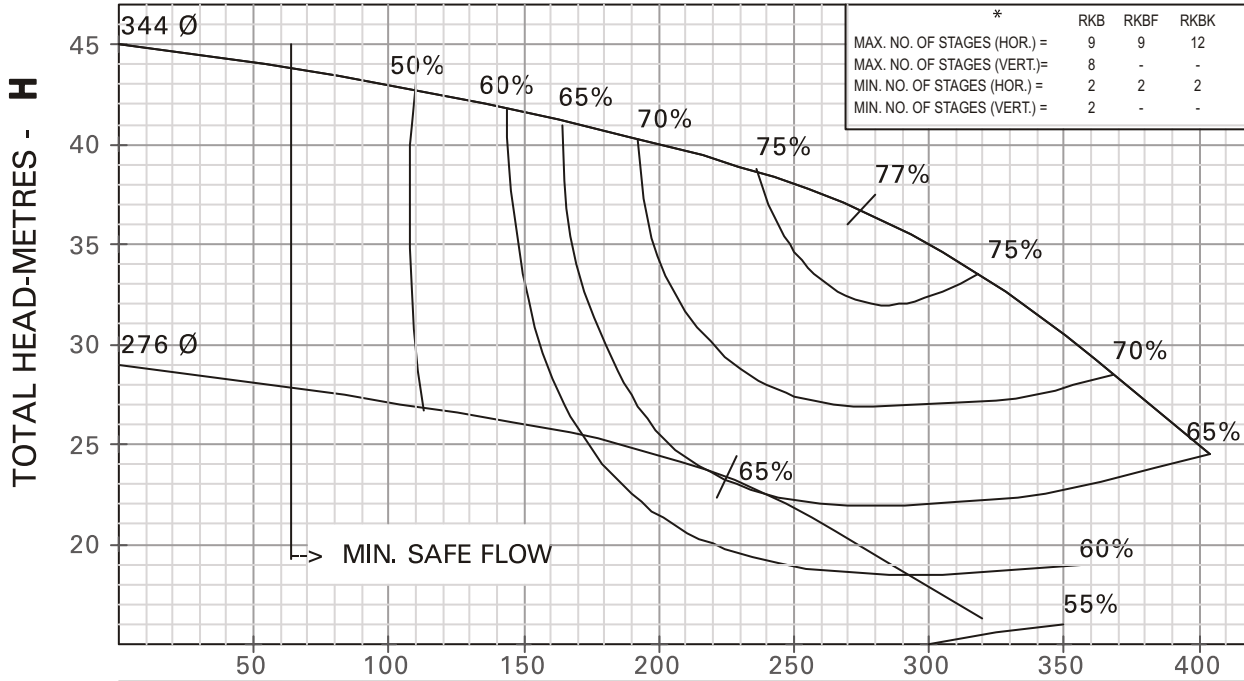
DISCHARGE Q - m3/hr

RECOMMENDED DELIVERY PIPE SIZE mm	150	200	250
RECOMMENDED SUCTION PIPE SIZE mm	150	200	250

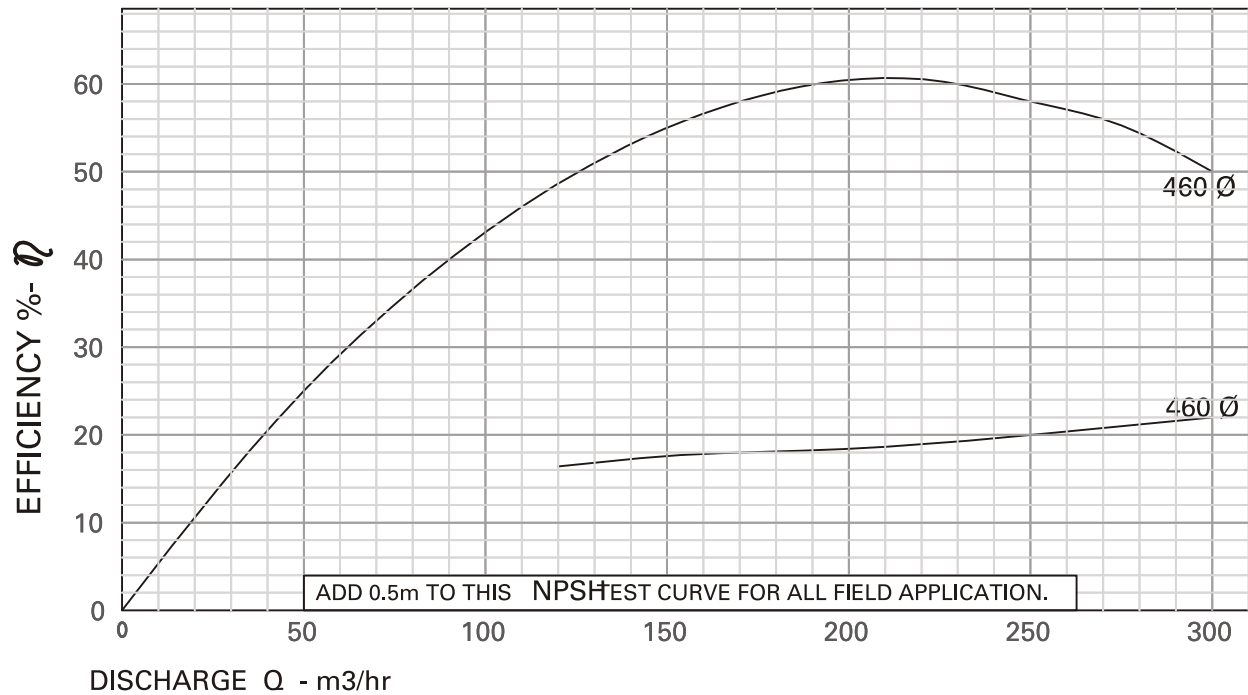
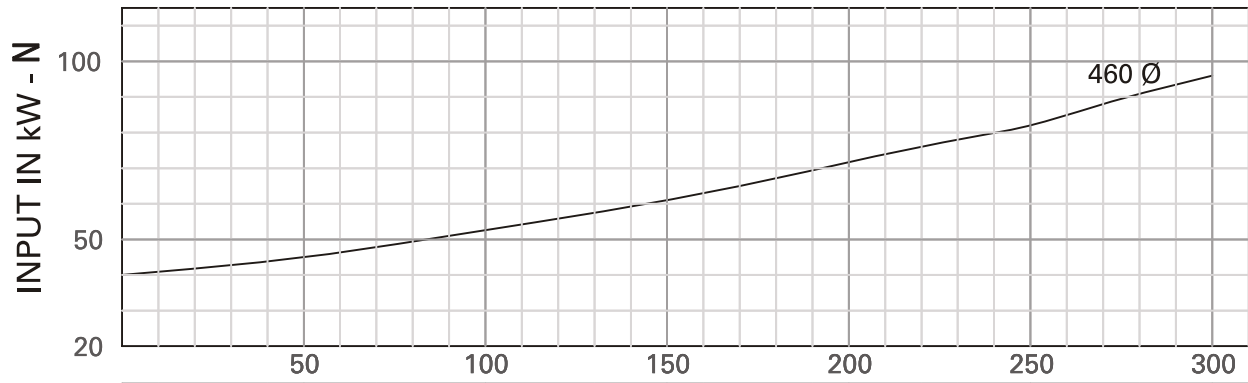
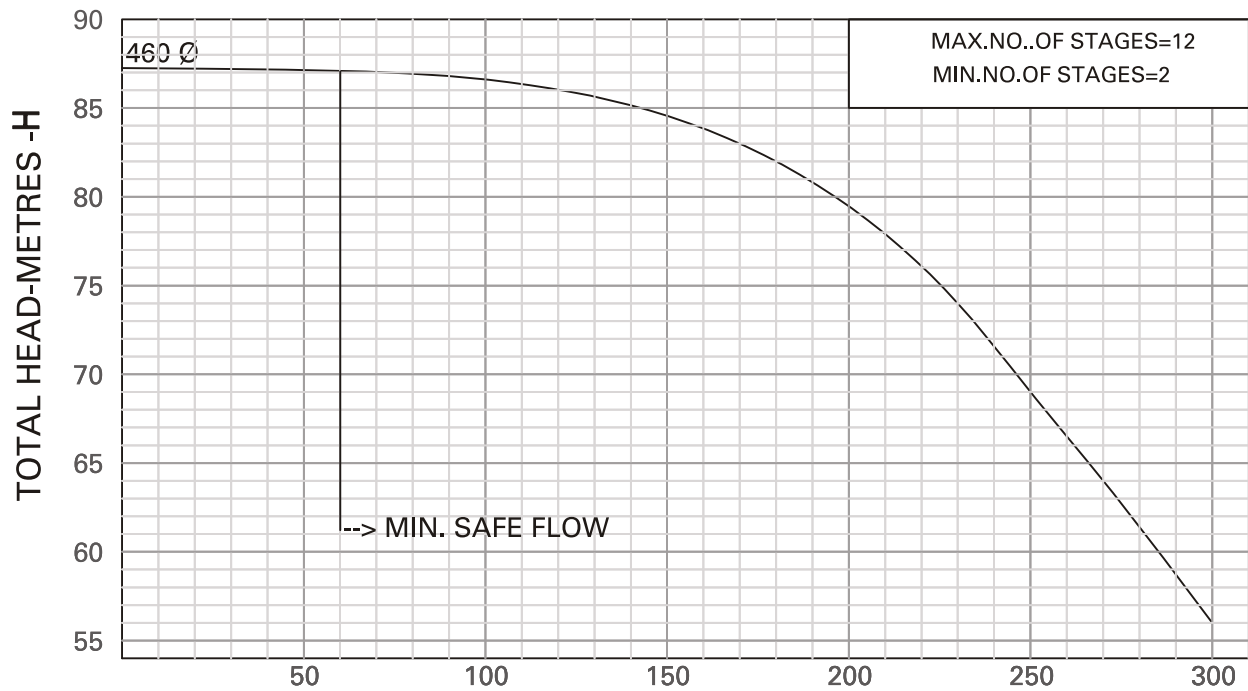


THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



RECOMMENDED DELIVERY PIPE SIZE mm	200		250	
RECOMMENDED SUCTION PIPE SIZE mm	200	250	300	



RECOMMENDED DELIVERY PIPE SIZE mm	150	175	200
RECOMMENDED SUCTION PIPE SIZE mm	175	200	225

# KIRLOSKAR BROTHERS LIMITED

NO. HD129840021



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## PERFORMANCE CURVE OF PUMP RKB\* 200/37 ( SINGLE STAGE )

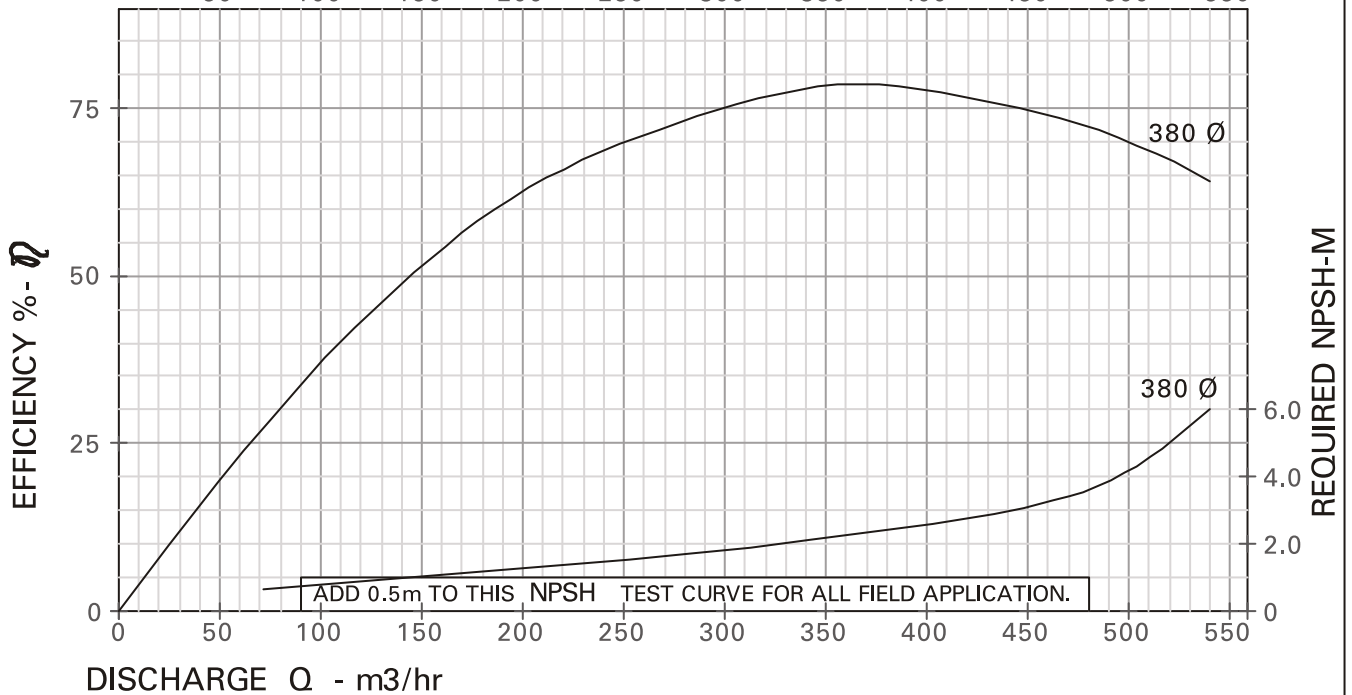
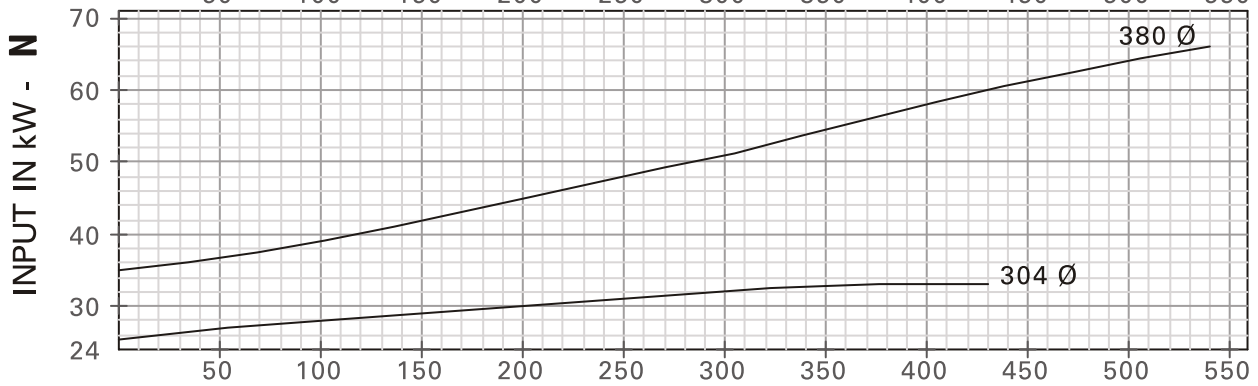
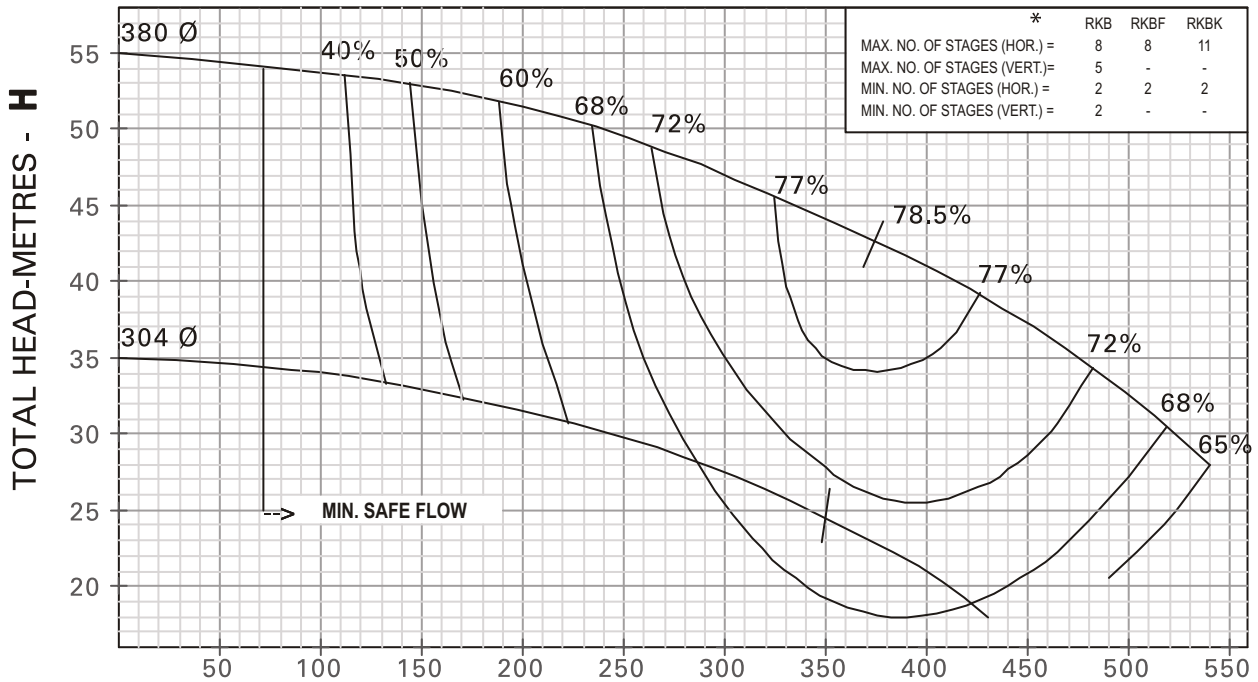
SUC. 250 mm DEL 200 mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 1470 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



RECOMMENDED DELIVERY PIPE SIZE mm	200	250	300
RECOMMENDED SUCTION PIPE SIZE mm	200	250	300



# KIRLOSKAR BROTHERS LIMITED

NO. HD12971AA00



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## PERFORMANCE CURVE OF PUMP RKB250/46K ( SINGLE STAGE)

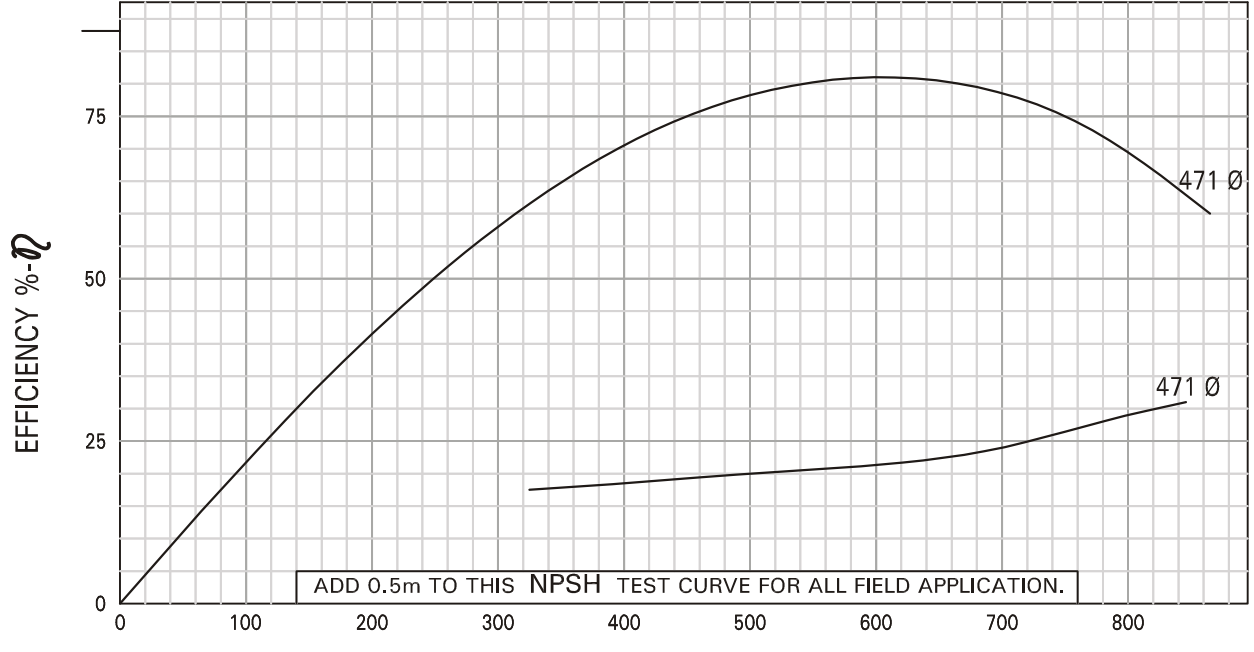
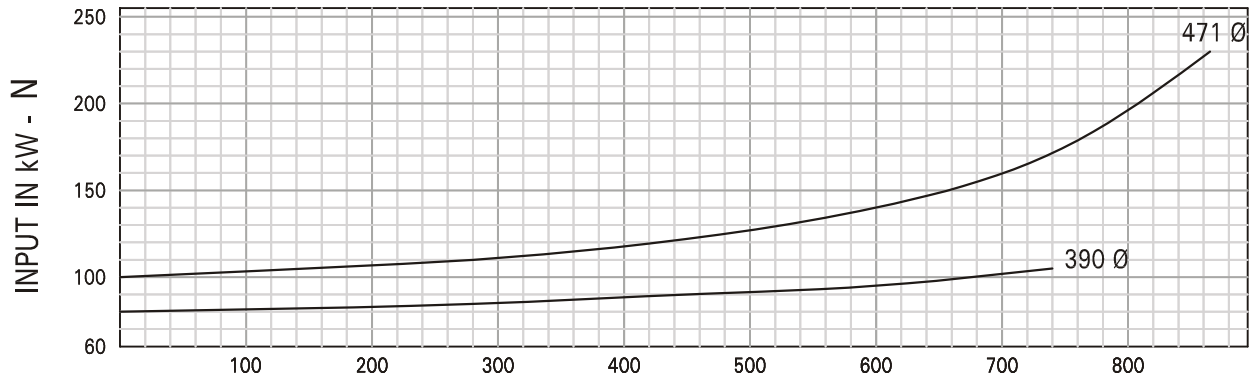
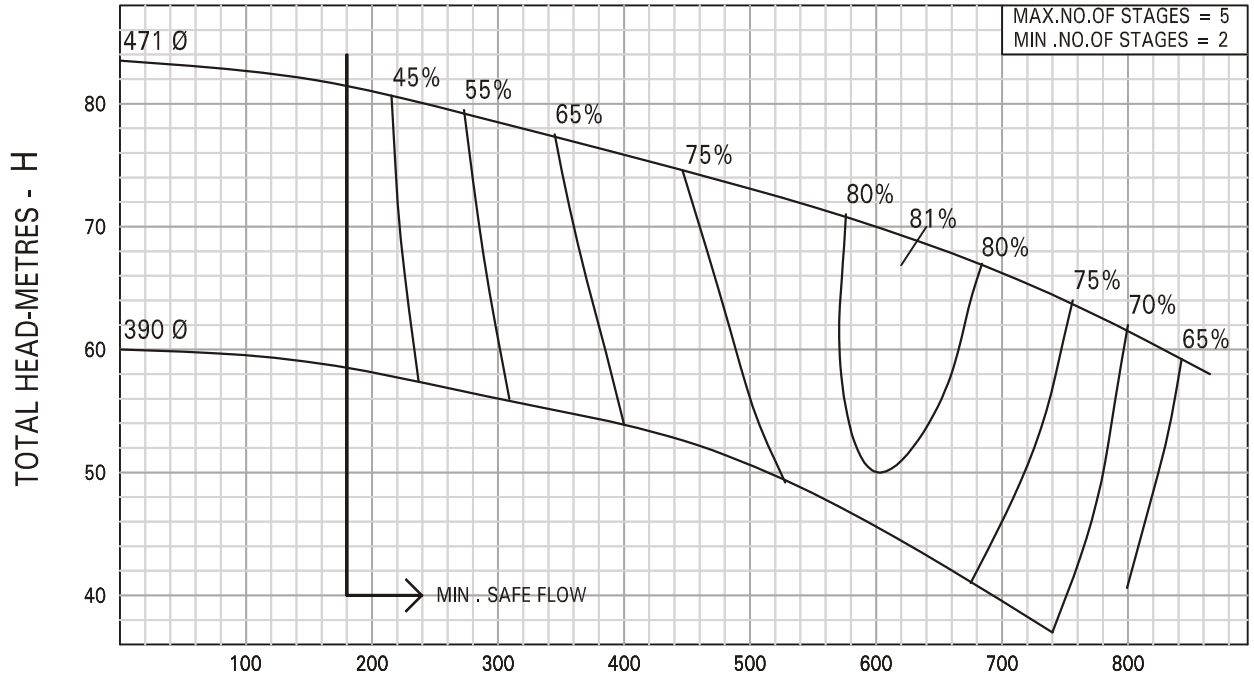
SUC. 300 mm DEL. 250mm

THIS CURVE RELATES TO LIQUID OF SP.GR. = 1.0 & VISCOSITY AS WATER.

n = 1470 rpm  
(NOMINAL)

THIS CURVE IS APPLICABLE FOR STANDARD MATERIAL & CLEAR LIQUID.

FOR HIGHER STAGES REFER P.E.D.



REQUIRED NPSH-M

DISCHARGE Q - m3/hr

RECOMMENDED DELIVERY PIPE SIZE mm	250	300	350	400
RECOMMENDED SUCTION PIPE SIZE mm	400		450	

## OUR GLOBAL PRESENCE



As we are constantly endeavouring to improve the performance of our products/ equipment, we reserve the right to make alterations from time to time and as such our products/ equipment may differ from that detailed in this publication. For latest information you may get in touch with our Regional Sales Offices.



Enriching Lives

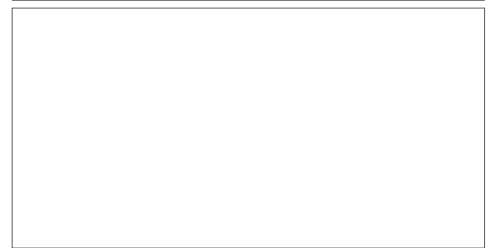
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