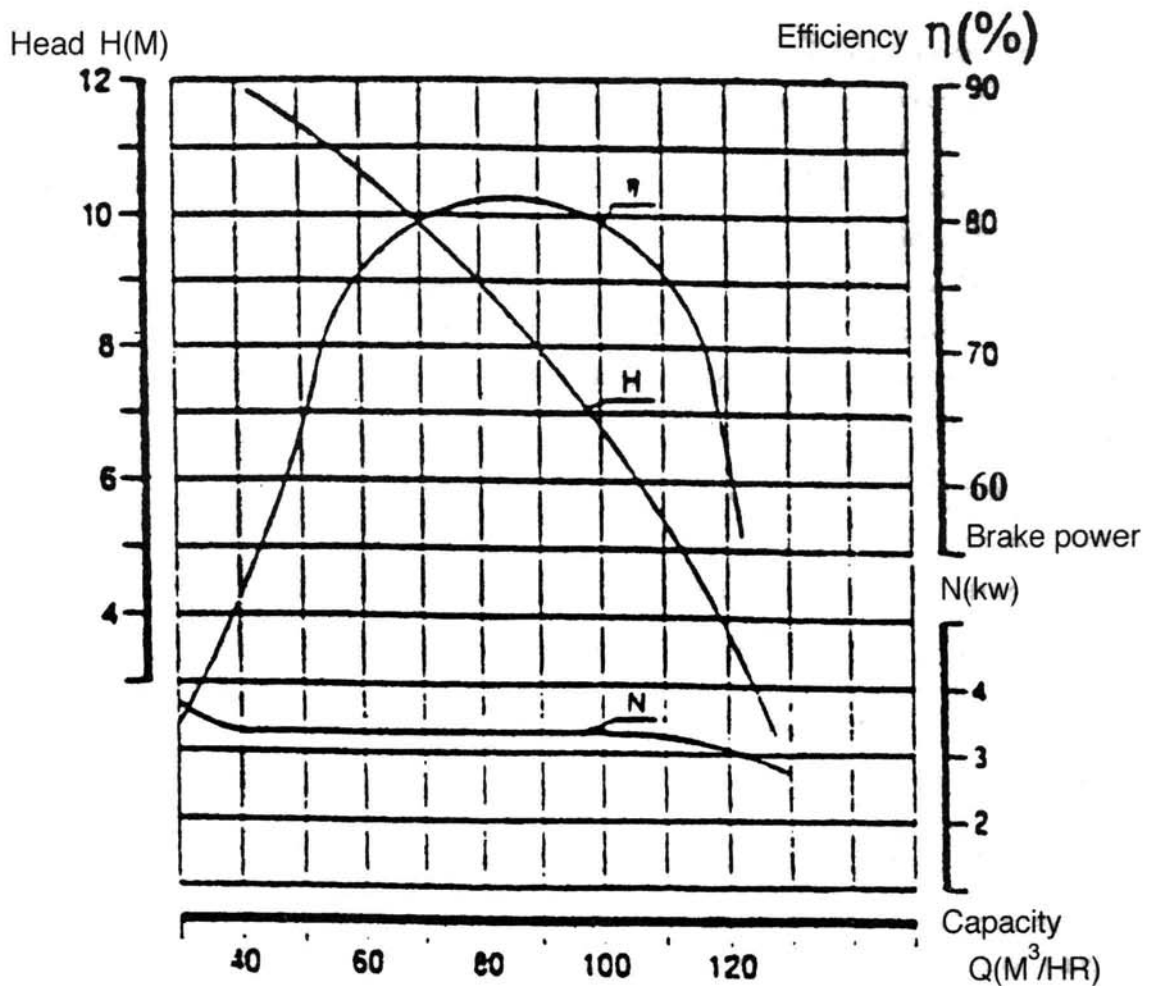


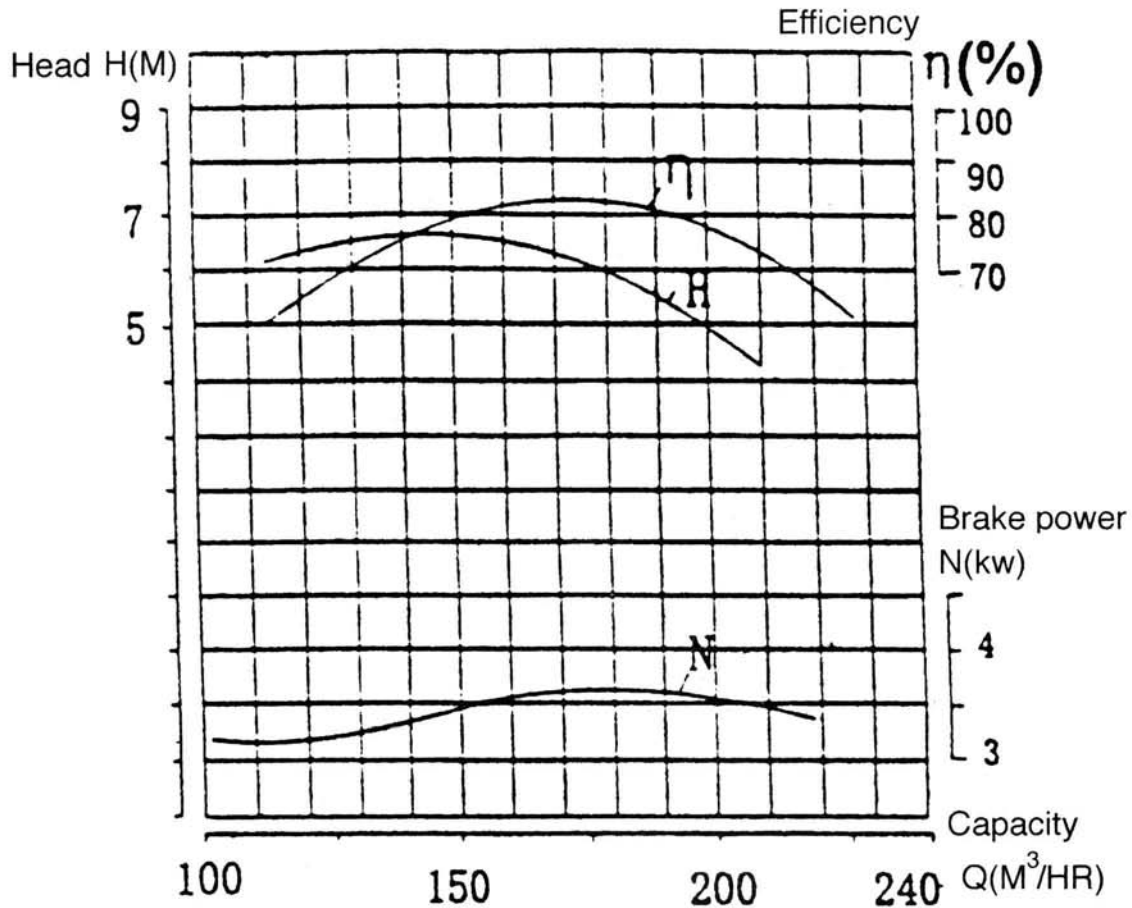
4HB – 35 Mixed – flow Pump performance curves



Capacity (Q)		Head H (M)	Speed n (RPM)	Power (N)		Efficiency η (%)	Allowable suction head H_s (M)	Inlet and outlet diameter (mm)	Weight (kg)
M ³ /Hr	L/S			Brake power (KW)	Motive Power (HP/KW)				
78	19	10	2900	2.38		80	4.0	100	68
89	25	8		2.42	3.5/3	81			
98	27	7		2.42		78			

Notice: Weight means pump weight, elbows, belt pulley or coupling bottom valve are not included.

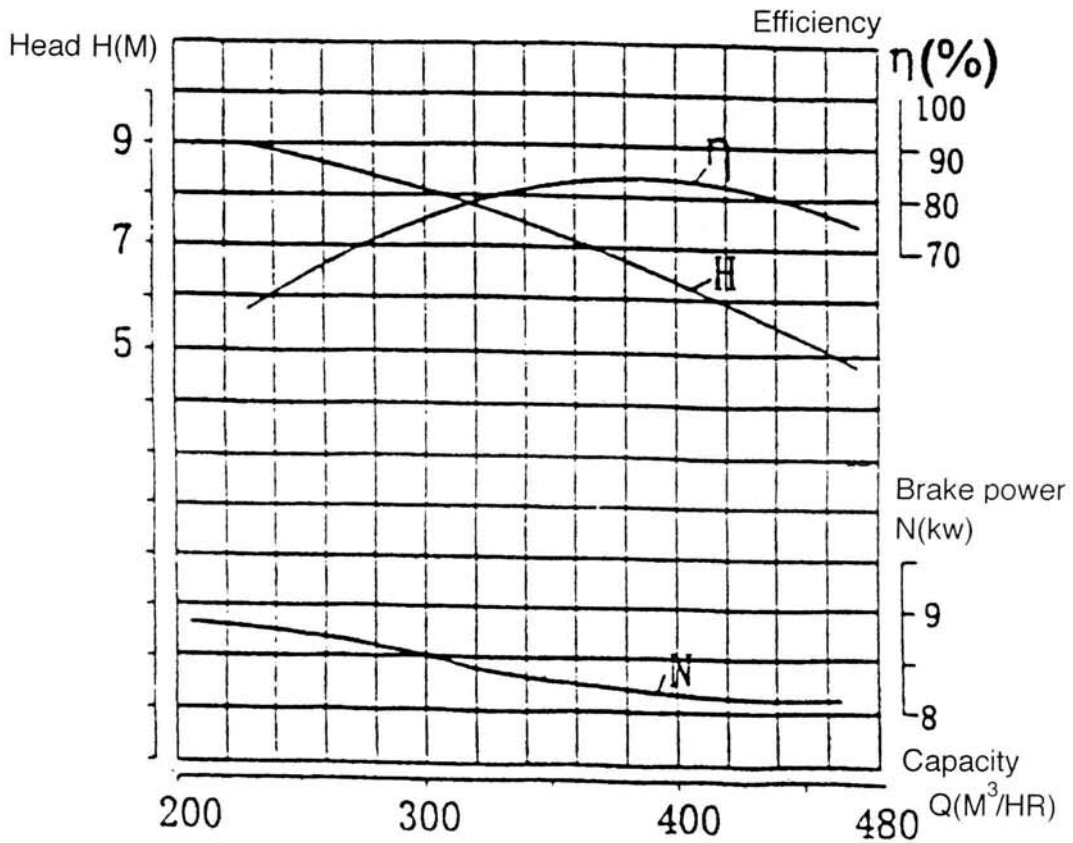
6HB – 35 Mixed – flow Pump performance curves (n = 2900RPM)



Capacity (Q)		Head H (M)	Speed n (RPM)	Power (N)		Efficiency η (%)	Allowable suction head Hs (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M³/HR)	(L/Sec)			Brake power (HP)	Motive power (HP/KW)				
140	38.9	6.6	1450	4.6	7/5.5	75	3.0	150	68
180	50	6.0		5.0		80			
200	55.6	5.0		4.8		78			
164	46	9.0	1700	7.4	12/10	75	3.5	150	68
211	59	8.2		8.1		80			
234	65	6.9		7.7		78			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

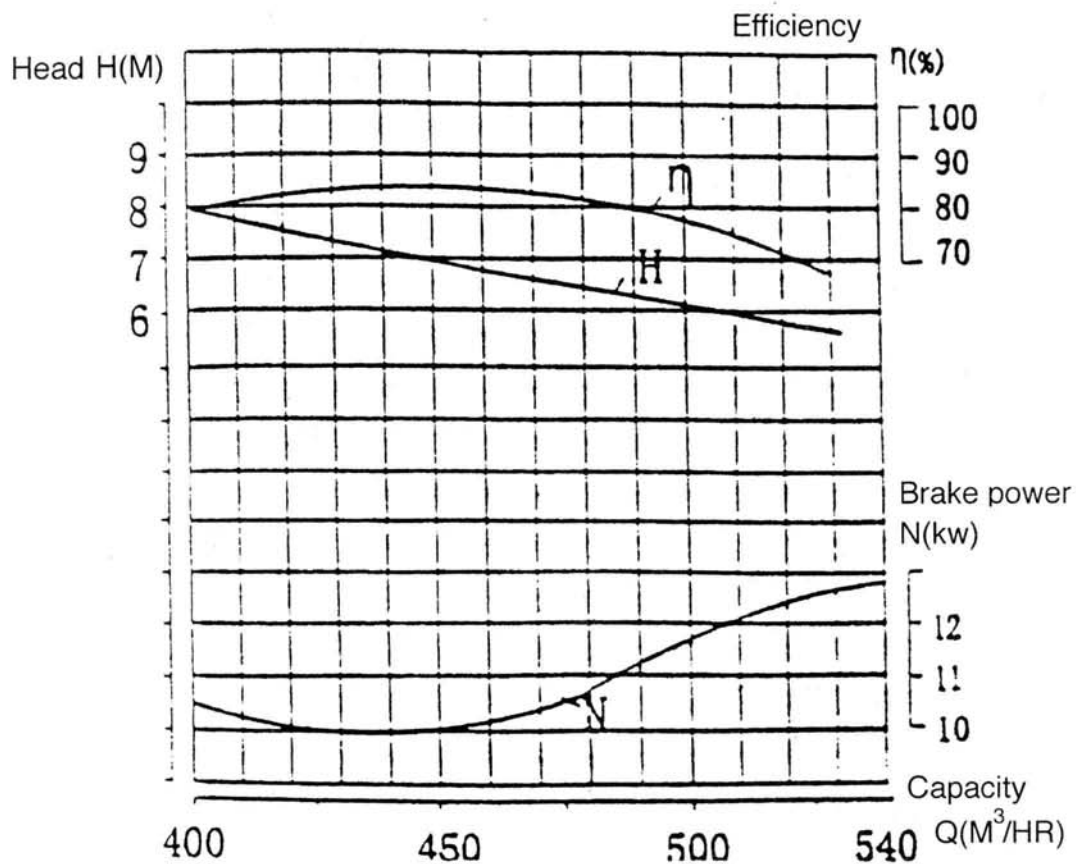
8HB – 35 Mixed – flow Pump performance curves (n = 1200RPM)



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head Hs (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M ³ /Hr)	(L/Sec)			Brake power (HP)	Motive power (HP/KW)				
300	83	8.0	1200	11.5	15/11	77	6	200	130
360	100	7.0		11.4		82			
450	125	5.1		11.0		77			
360	100	12.0	1450	20.8	30/18.5	77	5		
450	125	10.0		20.3		82			
540	150	7.5		19.5		77			
400	111	14.5	1600	27.9	40/30	77	4.5		
500	139	12.2		27.5		82			
600	167	9.5		27.4		77			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

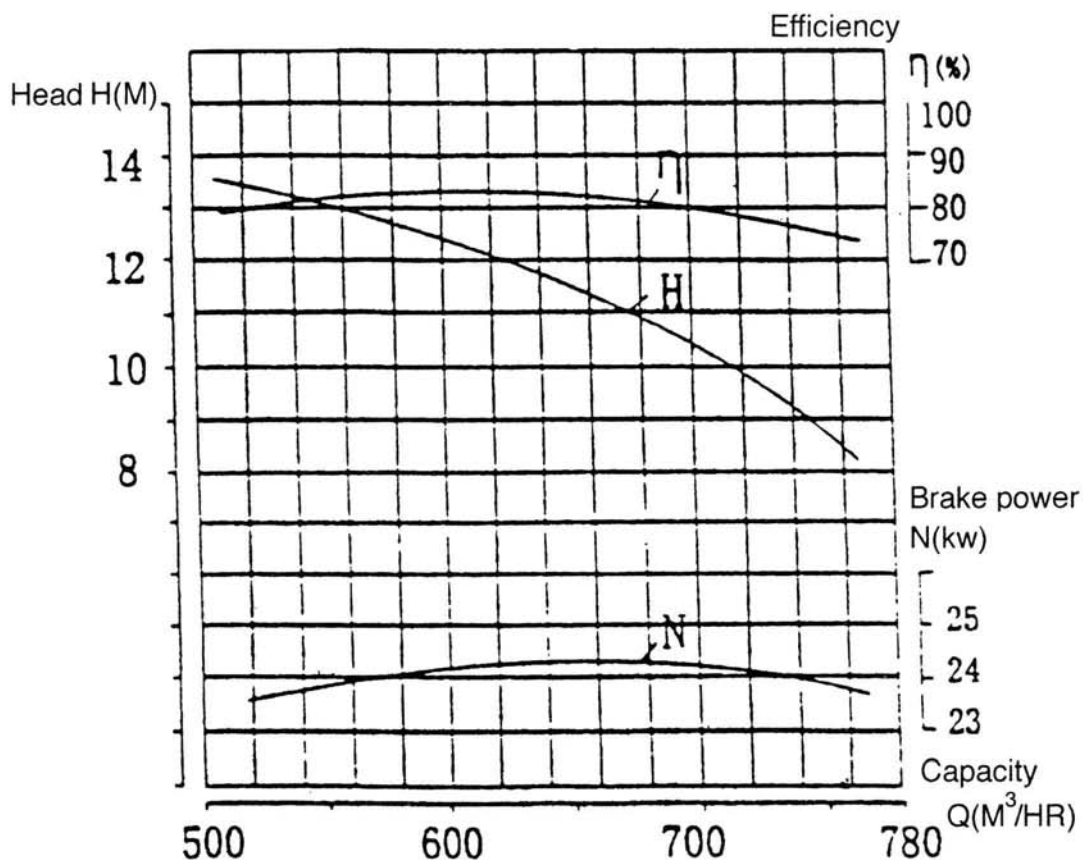
10HB – 30 Mixed – flow Pump performance curves



Capacity (Q)		Head H (M)	Speed n (RPM)	Power (N)		Efficiency η (%)	Allowable suction head Hs (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M^3/HR)	(L/Sec)			Brake power (HP)	Motive power (HP/KW)				
400	111	8.0		14.6		81.0			
450	125	7.0	980	14.0	20/15	83.5	6.0	250	168
500	139	6.3		14.8		79.0			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

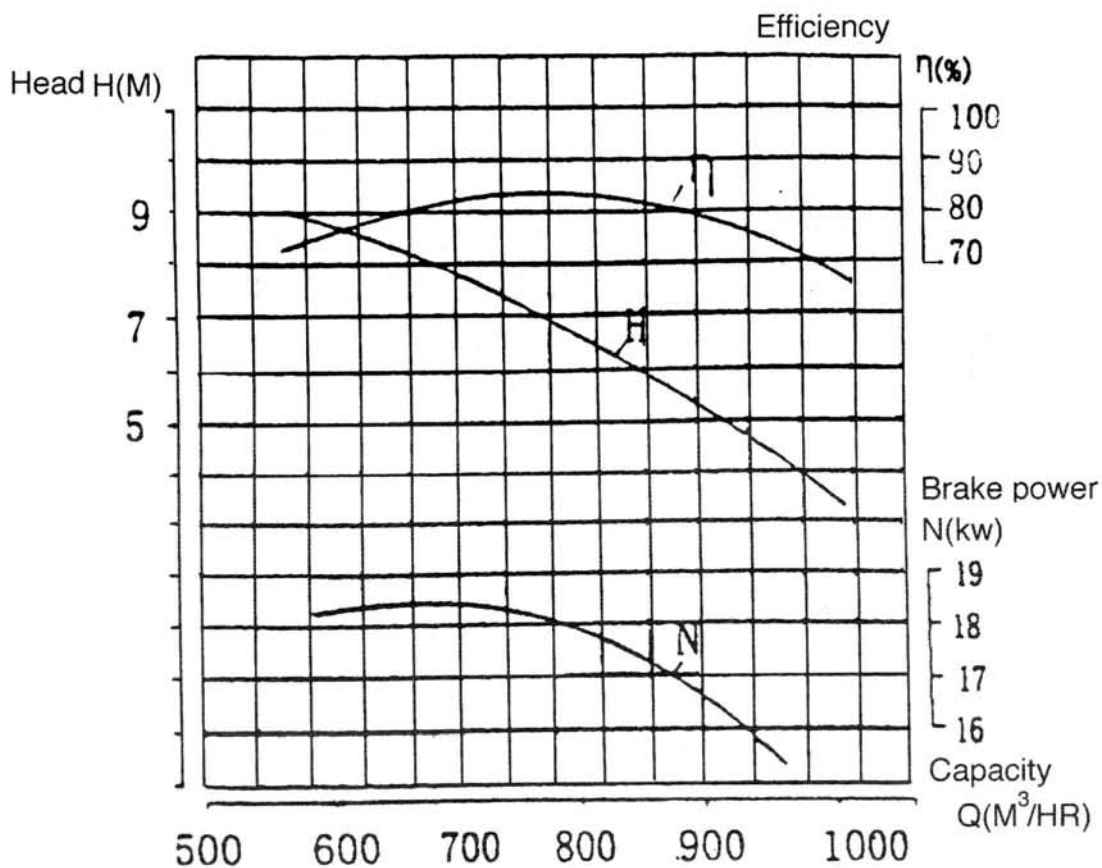
10HB – 40 Mixed – flow Pump performance curves (n = 1450RPM)



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head Hs (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M ³ /Hr)	(L/Sec)			Brake power (KW)	Motive power (HP/KW)				
400	111	5.5	980	7.2	15/11	83.0	6	250	169
450	125	4.8		7.5		83.5			
500	139	4.0		7.4		80.0			
550	153	13.2	1450	24.0	40/30	83.0	4		
650	180	11.6		24.6		83.5			
720	200	9.8		24.0		80.0			
640	178	15.5	1600	32.59	60/37	83.0	3.5		
720	200	14.3		33.38		83.5			
800	222	11.8		32.4		80.0			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

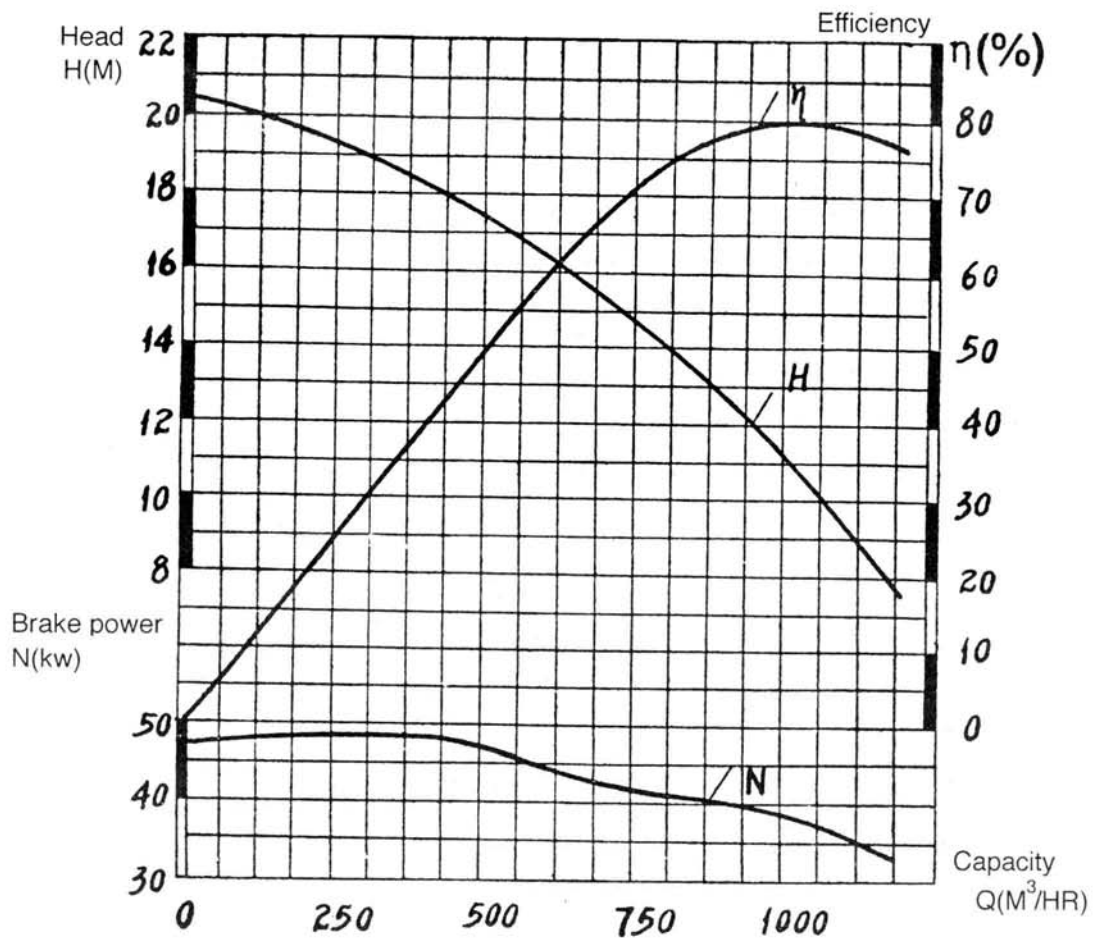
12HBC₂ – 40 Mixed – flow Pump performance curves (n = 980RPM)



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head Hs (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M³/Hr)	(L/Sec)			Brake power (KW)	Motive power (HP/KW)				
507	141	4.4	730	7.56	12/11	82	7	300	230
581	161	3.9		7.48		84			
678	188	2.8		6.75		78			
680	189	8.0	980	18.44	30/22	82	6		
780	217	7.0		18.08		84			
910	253	5.0		16.22		78			
902	251	14.1	1300	43.16	80/55	82	5		
1035	288	12.3		42.17		84			
1207	335	8.8		37.79		78			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

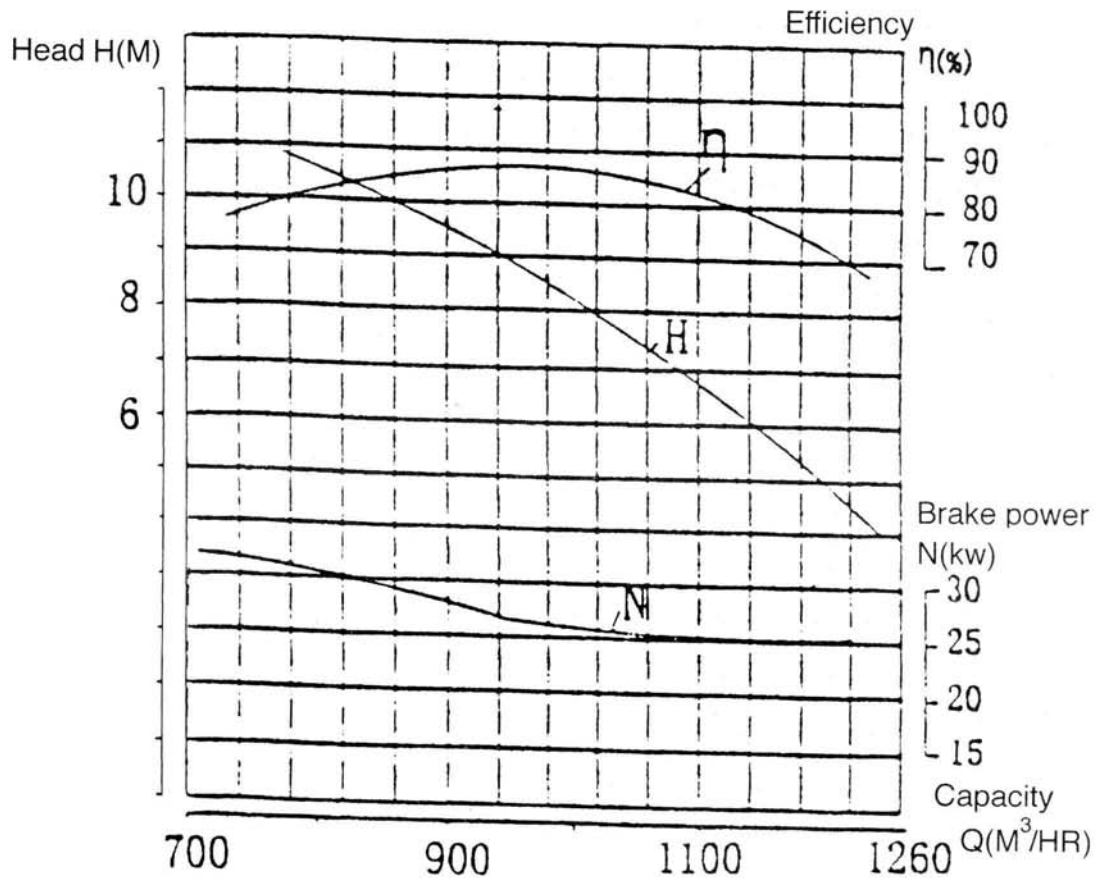
12HB – 50T Mixed – flow Pump performance curves (n = 1450RPM)



Capacity(Q)		Head	Speed	Power N		Efficiency	Allowable suction head H_s	Inlet and outlet diameter	Weight
(M^3/HR)	(L/Sec)	H (M)	n (RPM)	Brake power (KW)	Motive power (HP/KW)	η (%)	(M)	(mm)	(kg)
880	244	13.0	1450	40.5	66/55	74	3	300	200
1020	283	10.6		38.5		77			
1150	319	8.3		34.9		74			
970	629	16.0	1600	54.0	90/75	74			
1140	317	12.8		51.7		77			
1250	347	10.7		47.0		74			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

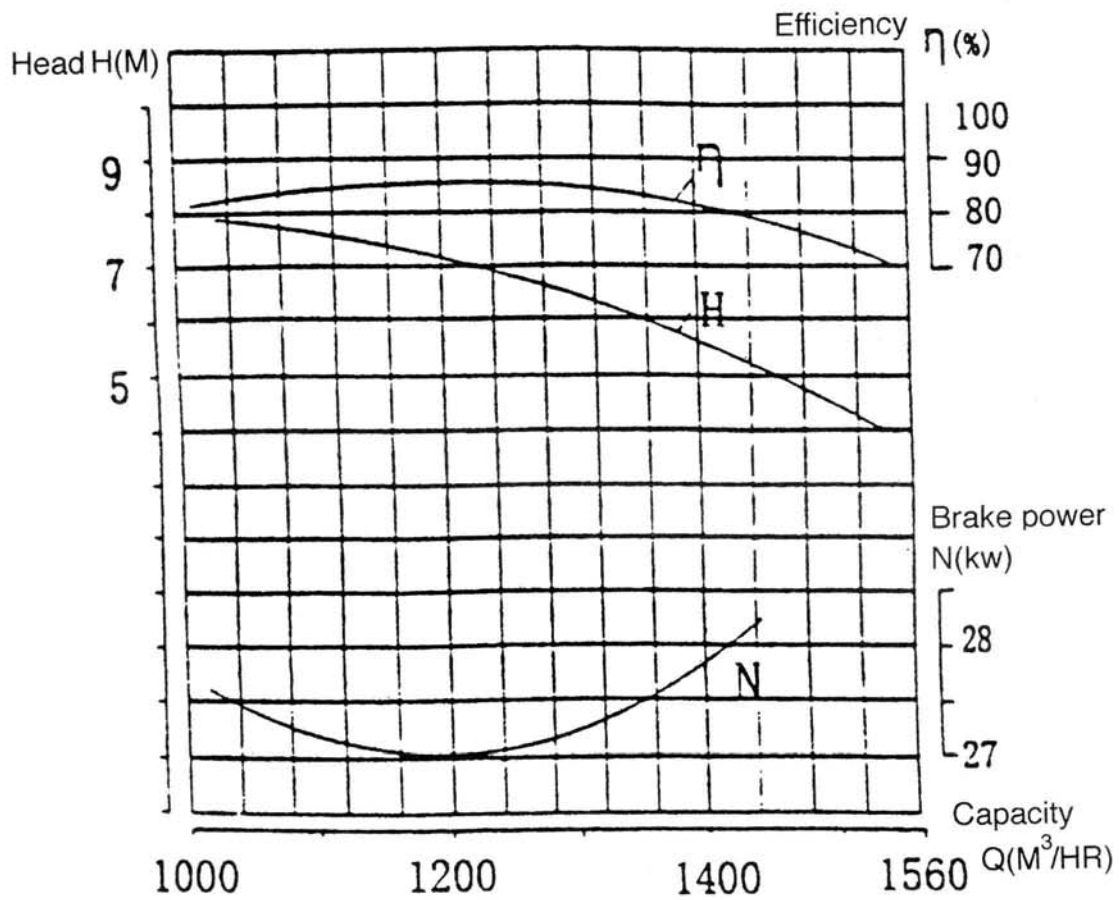
14HBC – 40 Mixed – flow Pump performance curves



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head H_s (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M^3/HR)	(L/Sec)			Brake power (KW)	Motive power (HP/KW)				
900	250	9.4		27.10		85.0			
1000	278	8.0	980	25.50	40/30	85.5	5	350	330
1100	306	6.7		24.66		81.5			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

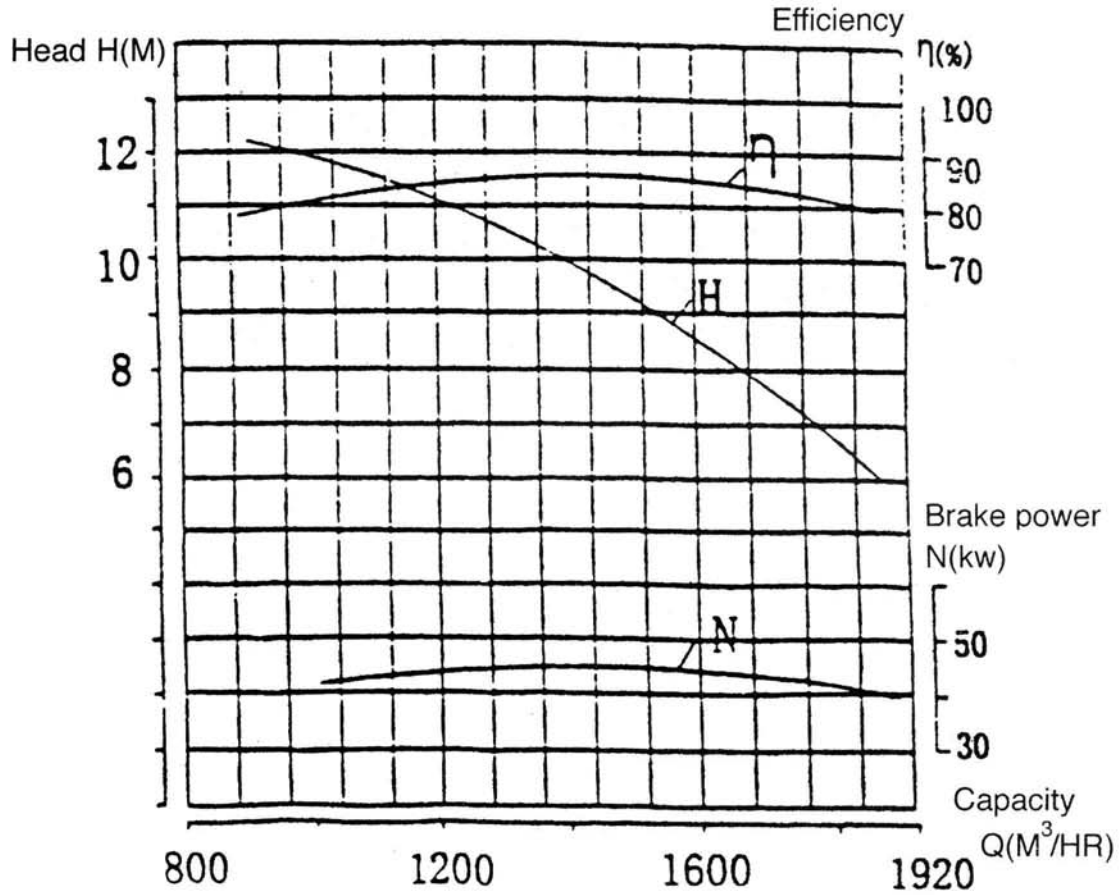
16HBC – 40 Mixed – flow Pump performance curves



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head Hs (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M ³ /Hr)	(L/Sec)			Brake power (HP)	Motive power (HP/KW)				
1080	300	7.8	730	36.2	40/30	84.0	6	400	486
1260	350	6.8		38.2		86.0			
1368	380	6.2		40.5		84.0			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

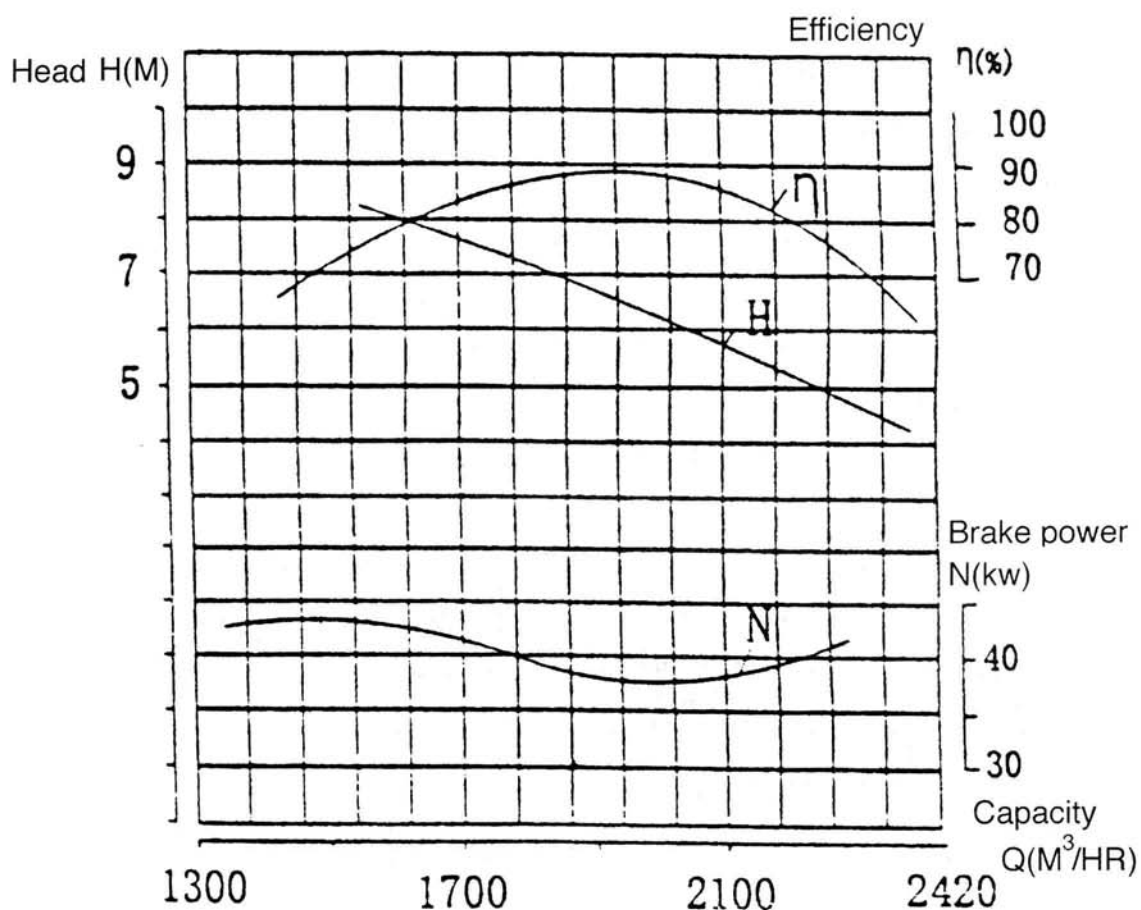
16HB – 30 Mixed – flow Pump performance curves ($n = 730\text{RPM}$)



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head Hs (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M ³ /Hr)	(L/Sec)			Brake power (KW)	Motive power (HP/KW)				
1098	305	11.5	730	41.5	66/55	83.0	6	400	496
1400	389	9.94		44.3		86.0			
1720	478	7.55		42.4		83.5			
1474	409	20.7	980	100.1	165/110	83.0	5		
1880	522	18.0		107.1		86.0			
2309	641	13.6		102.4		83.5			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

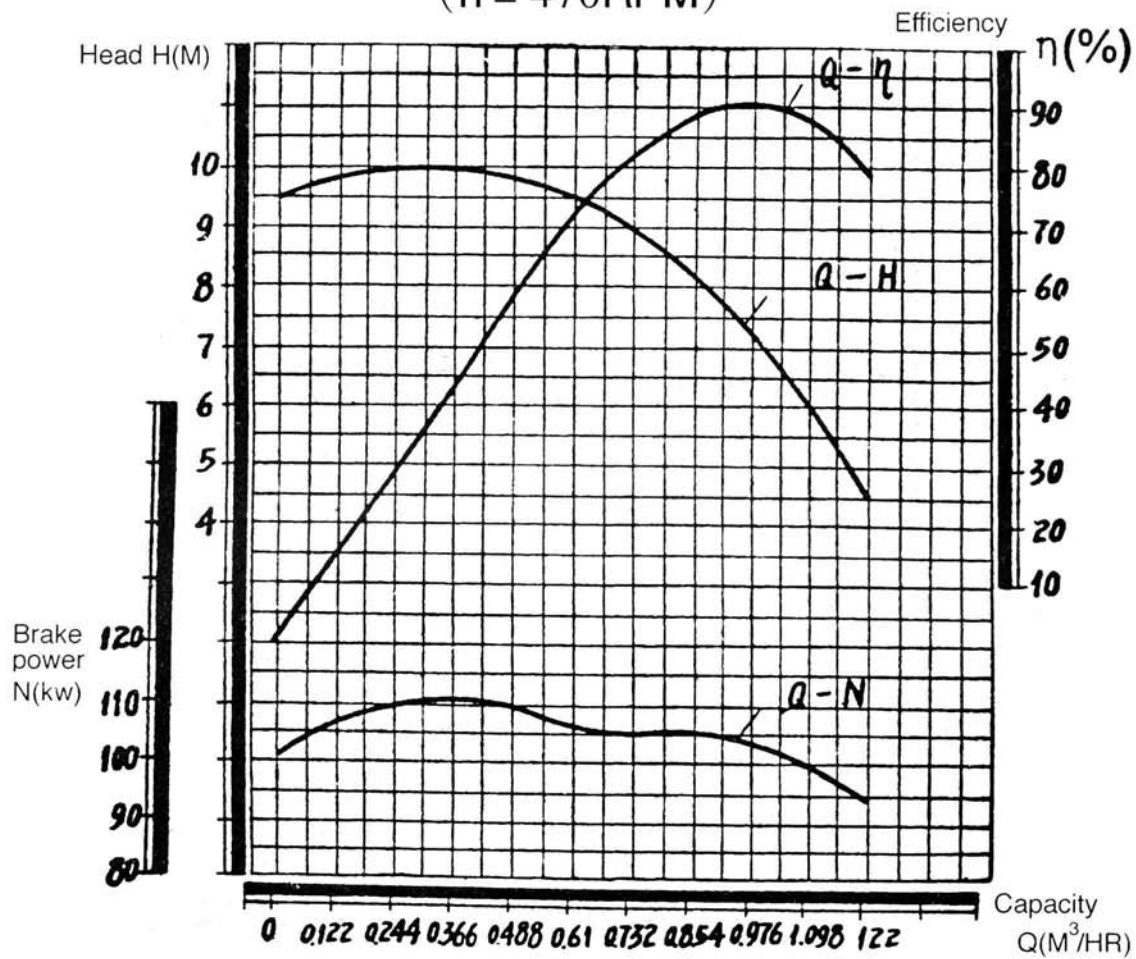
20HBC – 40 Mixed – flow Pump performance curves



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head Hs (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M ³ /Hr)	(L/Sec)			Brake power (HP)	Motive power (HP/KW)				
1690	469	7.6		57.0		83.4			
1980	550	6.2	580	52.9	60/55	87.0	5	500	770
2180	606	5.3		53.2		80.4			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

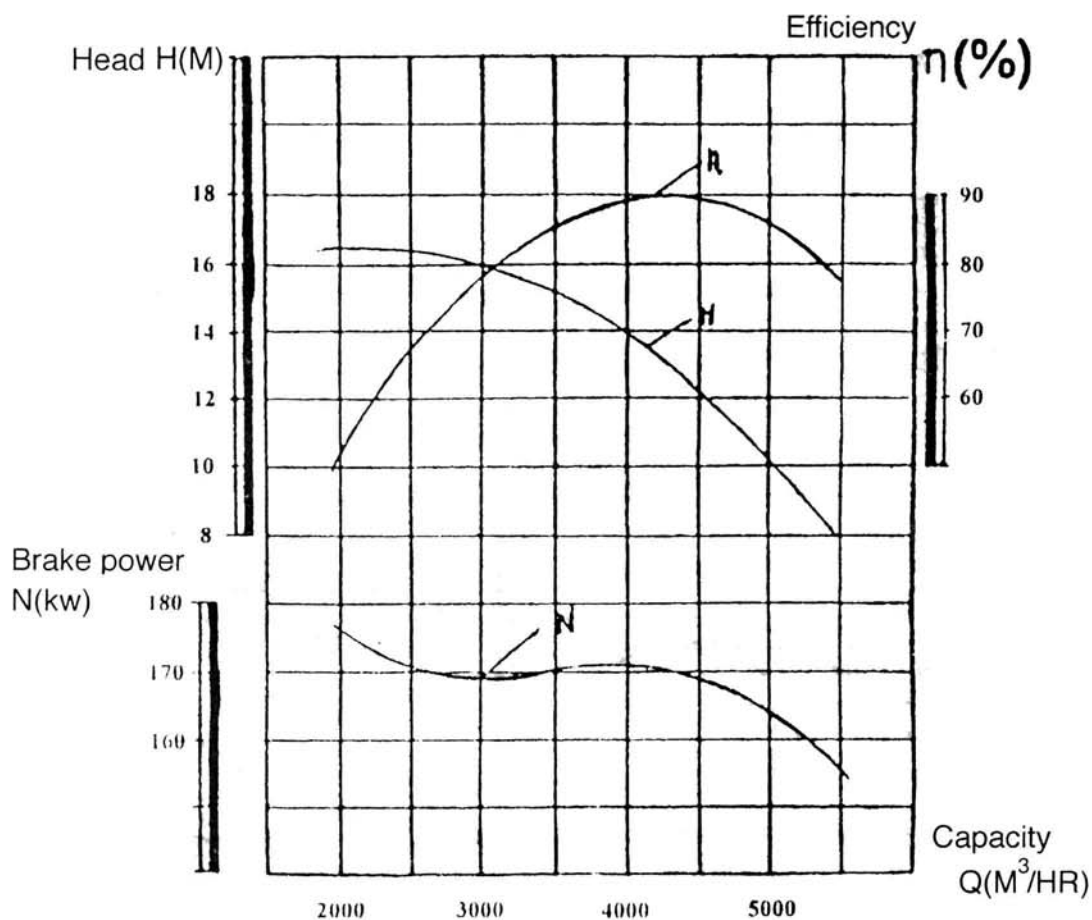
26HB – 40 Mixed – flow Pump performance curves (n = 470RPM)



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head Hs (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M ³ /Hr)	(L/Sec)			Brake power	Motive power (HP/KW)				
3060	0.850	7.4	450	96.4HP	120/90	87	4.5	650	1800
3400	0.944	6.5		90.8HP		90			
3960	1.100	5.0		84.3HP		87			
3193	0.887	8.1	470	110 HP	135/100	87	4		
3550	0.986	7.1		104 HP		90			
4113	1.148	5.5		96.7HP		87			
3946	1.096	12.3	580	151.9KW	180KW	87	3.5		
4381	1.217	10.8		143.2KW		90			
5105	1.418	8.3		132.8KW		87			

Notice: Weight means pump weight, elbows, belt pulley or coupling, check valve are not included.

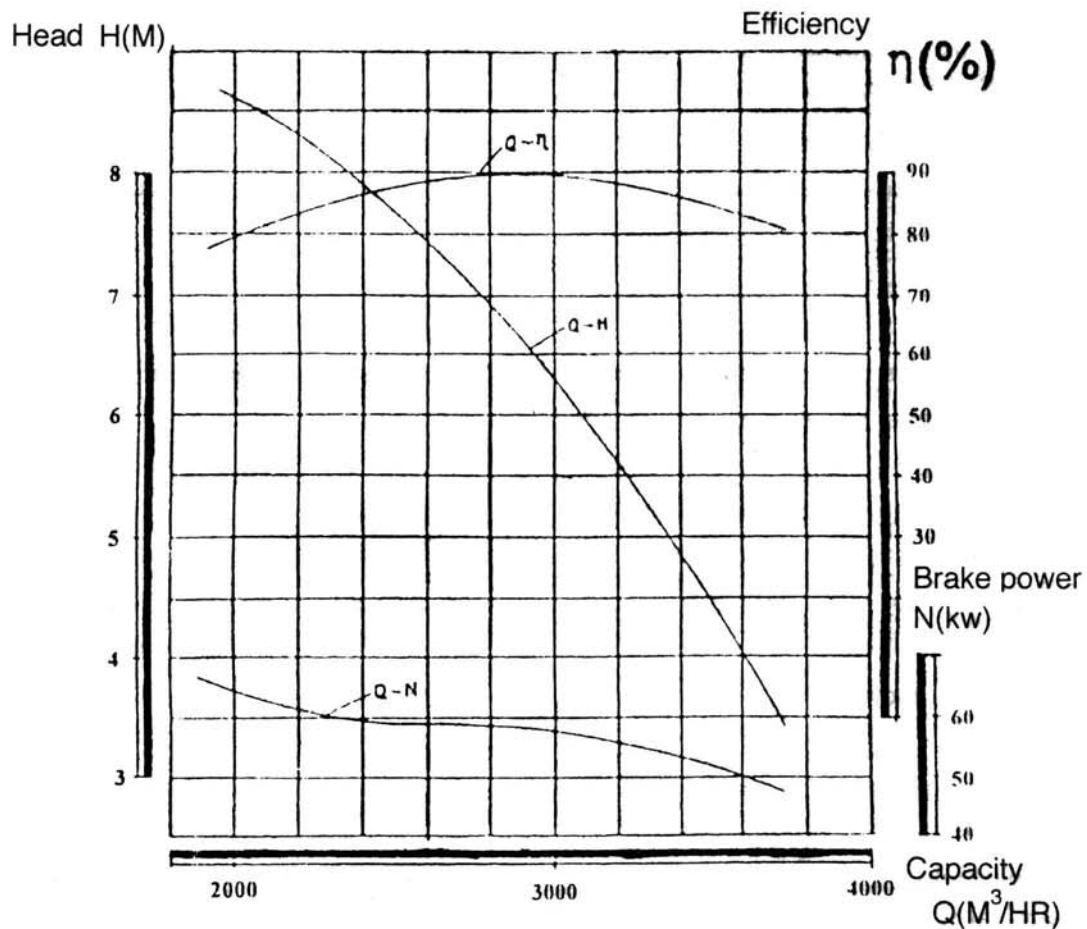
26HB – 30 Mixed – flow Pump performance curves ($n = 590\text{RPM}$)



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head H_s (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M^3/Hr)	(L/Sec)			Brake power (KW)	Motive power (HP/KW)				
3200	889	15.8	590	168	250/180	82.0	4.5	650	1800
4000	1111	14.0		171		89.0			
5000	1389	10.4		165		86.0			
2658	738	10.9	490	96.2	150/115	82.0			
3322	923	9.7		98.6		89.0			
4153	1154	7.2		94.5		86.0			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.

26HB – 50 Mixed – flow Pump performance curves ($n = 485\text{RPM}$)



Capacity(Q)		Head H (M)	Speed n (RPM)	Power(N)		Efficiency η (%)	Allowable suction head H_s (M)	Inlet and outlet diameter (mm)	Weight (kg)
(M^3/Hr)	(L/Sec)			Brake power (KW)	Motive power (HP/KW)				
2650	736	7.15	485	59.3	90/75	87	4.5	650	1800
3312	920	5.1		53.5		86			
3600	1000	4.0		49		80			
3224	896	10.58	590	107	150/115	87			
4032	1120	7.55		96.4		86			
4379	1216	5.92		88.2		80			

Notice: Weight means pump weight, elbows, belt pulley or coupling, bottom valve are not included.