

Table 1.4 Crude oil mainline Pumps NM (BB1)

Pump Name	Rated Flow, m ³ /hr	Head. m	Speed, rpm	Pump Shaft Power. kW
NM (HM) 1250-260-2.1	1250	260	3000	1250
NM (HM) 1250-260a-2.1	1135	215	3000	1250
NM (HM) 1250-2606-2.1	1070	192	3000	1250
NM (HM) 1250/0,7-260-2.1	900	265	3000	1250
NM (HM) 1250/1,25-260-2.1	1565	270	3000	1600
NM (HM) 2500-220-2.1	2500	230	3000	2000
NM (HM) 2500-230a-2.1	2300	195	3000	2000
NM (HM) 2500-2306-2.1	2190	176	3000	2000
NM (HM) 2500/0,5-230-2.1	1250	220	3000	1250
NM (HM) 2500/0,7-230-2.1	1800	225	3000	1600
NM (HM) 2500/1,25-230-2.1	3150	225	3000	2500
NMK (HMK) 1700-300	1700	300	3000	2500
NMK (HMK) 1700-300	1800	250	3000	2000
NM (HM) 3600-230-2.1	3600	230	3000	2500
NM (HM) 3600-230a-2.1	3325	196	3000	2500
NM (HM) 3600-2306-2.1	3230	185	3000	2500
NM (HM) 3600/0,5-230-2.1	1800	230	3000	1600
NM (HM) 3600/0,7-230-2.1	2500	230	3000	2000
NM (HM) 3600/1,25-230-2.1	4500	220	3000	3150
NM (HM) 7000-210-2.1	7000	210	3000	5000
NM (HM) 7000-210a-2.1	6630	188	3000	5000
NM (HM) 7000-2106-2.1	6340	172	3000	5000
NM (HM) 7000/0,5-210-2.1	3500	205	3000	2500
NM (HM) 7000/0,7-210-2.1	5000	210	3000	4000
NM (HM) 7000/1,25-210-2.1	8750	210	3000	6300
NM (HM) 10000-210-2.1	10000	210	3000	6300
NM (HM) 10000-210a-2.1	9600	194	3000	6300
NM (HM) 10000-2106-2.1	9300	182	3000	6300
NM (HM) 10000/0,5-210-2.1	5000	210	3000	4000
NM (HM) 10000/0,7-210-2.1	7000	210	3000	5000
NM (HM) 10000/1,25-210-2.1	12500	210	3000	8000
NM (HM) 10000/1,2-380-2	12000	380	3000	14000
NM (HM) 10000-380a-2	9600	380	3000	14000
NM (HM) 10000/0,5-380-2	4500	350	3000	14000
NM (HM) 10000/0,7-380-2	7002	207	3000	5000
NM (HM) 10000/0,7-380g-2	11654	207	3000	12000
NM (HM) 10000-250-3-C	9150	245	3000	8000
NM (HM) 10000/0,6-250-3-C	5250	251	3000	8000
NM (HM) 10000/0,5-250-3-C	5250	223	3000	8000

NM (HM) 7000/1,1-250-3-C	7500	249	3000	6300
NM (HM) 7000/0,7-250-3-C	5250	247	3000	6300
NM (HM) 7000/0,6-250-3-C	4500	247	3000	6300
NM (HM) 7000/0,5-250-3-C	3660	202	3000	6300
NM (HM) 7000/0,4-250-3-C	2786	238	3000	6300
NM (HM) 7000/0,85-250-3-C	6000	250	3000	5500
NM (HM) 2500/1,25-250-3.2	2900	240	3000	2500

Crude oil mainline pumps NM (BB1)

Designed for transporting crude oil through long-distance pipelines. Electrically driven, horizontal foot-mounted, between-bearings, single-stage, axially split volute casing centrifugal pumps with a double entry radial impeller. The rotor is carried by the pressure oil lubricated plain bearings. The residual rotor axial thrust is absorbed by an angular-contact ball bearing (optional hydrodynamic axial plain bearing). Shaft sealing: basically by single mechanical seals, each provided with an auxiliary (safety) seal (a floating throttle bushing) on the atmosphere side; optional dual mechanical seals with a barrier fluid sealing system. Designed for one-by-one operation of three pumping units for one pipeline.