

Table 8.2 Oil booster vertical Pumps NPV Pumps (VS7)

Pump Name	Rated Flow, m ³ /hr	Head. m	Speed, rpm	Motor Rated Power. kW
NPV (НПВ) 150-60	150	60	3000	90
NPV (НПВ) 150-90	150	90	3000	90
NPV (НПВ) 300-60	300	60	3000	90
NPV (НПВ) 300-40	300	40	3000	90
NPV (НПВ) 300-150	300	150	3000	200
NPV (НПВ) 600-60	600	60	1500	200
NPV (НПВ) 600-110	600	110	1500	315
NPV (НПВ) 1250-30	1250	30	1000	160
NPV (НПВ) 1250-60	1250	60	1000	315
NPV (НПВ) 1250-110	1250	110	1000	630
NPV (НПВ) 2500-40	2500	40	1000	400
NPV (НПВ) 2500-80	2500	80	1000	800
NPV (НПВ) 2500-120	2500	120	1000	1250
NPV (НПВ) 2500-120a	2500	110	1000	1000
NPV (НПВ) 3600-45	3600	45	1000	630
NPV (НПВ) 3600-90	3600	90	1000	1250
NPV (НПВ) 3600-80	4500	80	1000	1600
NPV (НПВ) 3600-120	3600	120	1000	1600
NPV (НПВ) 3600-135	3600	135	1000	2000
NPV (НПВ) 3600-135a	3600	120	1000	1600
NPV (НПВ) 5000-120	5000	120	1000	2000
NPV (НПВ) 5000-60	5000	60	1000	1250

Oil booster vertical pumps NPV Pumps (VS7)

Designed for delivering crude oil or oil products to the main pipeline pumps to ensure their satisfactory suction performance (cavitation-free operation). Suitable also as mixing pumps to transfer oil in tank farms and as loading pumps to fill end products into tank wagons at the oil refineries.

Electrically driven vertically suspended, end-suction single- or multistage (according to the required head) diffuser centrifugal pumps equipped with an inducer. The major pump components are a can (outer casing) and a withdrawable rotating assembly with a motor stool. Upgraded feature is a barrel-shaped delivery casing. The pump rotor is carried by the top thrust and radial bearing (comprising two ball bearings) and the bottom medium lubricated plain bearing. Shaft sealing: by mechanical seal.