

**Table 4.2 Low pressure multistage Pumps (1500rpm) CNSn (BB4)**

Pump Name	Rated Flow, m <sup>3</sup> /hr	Head. m	Speed, rpm	Motor Rated Power. kW
CNSn (ЦHCН) 180-85	180	85	1500	75
CNSn (ЦHCН) 180-128	180	128	1500	90
CNSn (ЦHCН) 180-170	180	170	1500	132
CNSn (ЦHCН) 180-212	180	212	1500	160
CNSn (ЦHCН) 180-255	180	255	1500	200
CNSn (ЦHCН) 180-297	180	297	1500	250
CNSn (ЦHCН) 180-340	180	340	1500	250
CNSn (ЦHCН) 180-383	180	383	1500	315
CNSn (ЦHCН) 180-425	180	425	1500	315
CNSn (ЦHCН) 300-120	300	120	1500	160
CNSn (ЦHCН) 300-180	300	180	1500	200
CNSn (ЦHCН) 300-240	300	240	1500	315
CNSn (ЦHCН) 300-300	300	300	1500	400
CNSn (ЦHCН) 300-360	300	360	1500	500
CNSn (ЦHCН) 300-420	300	420	1500	500
CNSn (ЦHCН) 300-480	300	480	1500	630
CNSn (ЦHCН) 300-540	300	540	1500	630
CNSn (ЦHCН) 300-600	300	600	1500	800
CNSn (ЦHCН) 315-630	315	670	1500	1000
CNSn (ЦHCН) 500-160	500	160	1500	400
CNSn (ЦHCН) 500-240	500	240	1500	630
CNSn (ЦHCН) 500-320	500	320	1500	800
CNSn (ЦHCН) 500-400	500	400	1500	1000
CNSn (ЦHCН) 500-480	500	480	1500	1000
CNSn (ЦHCН) 500-560	500	560	1500	1250
CNSn (ЦHCН) 500-640	500	640	1500	1600
CNSn (ЦHCН) 500-720	500	720	1500	1600
CNSn (ЦHCН) 500-800	500	800	1500	2000

**Low pressure multistage Pumps (1500rpm) CNSn (BB4)**

Designed for transporting crude oil and end products through long-distance, process and auxiliary pipelines.

Electrically driven horizontal multistage segmental centrifugal pumps, with all impellers facing the same way and automatic balancing of the rotor axial thrust by balance disc and balance disc seat. The suction nozzle horizontally sideward, the discharge nozzle vertically to the top. Radial forces and unbalanced axial thrust load of the pump rotor are taken up by the grease-lubricated antifriction bearings. Shaft sealing: by dual mechanical seals or single mechanical seals, each provided with an auxiliary (safety) seal on the atmosphere side. Cartridge type design of the mechanical seals allows their installation and removal as an assembly unit. Cyclone separators for cleaning liquid supplied to the mechanical seal chambers can be mounted on the pumps for their reliability improvement. For applications with low NPSH available existing at the installation, the

ЦHC(Н) 500 model pumps can be equipped with an inducer to ensure NPSH required equal to 3m.