



FO PUMP - MOTOR ENQUIRY DATA SHEET

PROJECT	BHUSAWAL 1 X 660 MW		
CUSTOMER NO	1727		
SERVICE	HFO PUMP		
BHEL MATL. CODE	A172714202002002 / A172714202002003		
QUANTITY	2		
MOTOR DETAILS:			
POWER OUTPUT REQD.	KW	90	75
POWER SOURCE	415V $\pm$ 10%; 50 HZ $\pm$ 5%; COMBINED $\pm$ 10 %; 3 PHASE		
TYPE	TEFC SQUIRREL CAGE INDUCTION MOTOR		
ENCLOSURE	IP 55; EXPLOSION PROOF		
DUTY	CONTINUOUS		
DIRECTION OF ROTATION	ANTI CLOCK WISE SEEN FROM PUMP END		
METHOD OF STARTING	DIRECT ON LINE (DOL)		
MOUNTING	HORIZONTAL FOOT		
LOAD DATA			
DRIVEN PUMP TYPE	TRIPLE SCREW POSITIVE DISPLACEMENT		
COUPLING TYPE	PIN TYPE FLEXIBLE COUPLING		
PUMP SPEED	RPM	1450	1450
PUMP GD ²	KG.M ²		
COUPLING GD ²	KG.M ²		
GD ² TOTAL	KG.M ²	0.50	0.50
TORQUE AT ZERO SPEED	KG. M	54.9	45.8
TORQUE AT 5 % SPEED	KG. M	49.41	41.22
TORQUE AT RATED SPEED	KG. M	54.9	45.8
TORQUE VARIES LINEARLY WITH SPEED BETWEEN VALUES INDICATED ABOVE			
LT MOTOR SPEC. NO & DATA SHEET NO.	TDC:TCI:141/ REV 12		

PREPARED	DATE	APPROVED	DATE
Vikas Sethi	20.08.2019	V Shankar Naik	20.08.2019