



FO PUMP - MOTOR ENQUIRY DATA SHEET

PROJECT	BHUSAWAL 1 X 660 MW	
CUSTOMER NO	1727	
SERVICE	LFO PUMP	
BHEL MATL. CODE	A172714201002001	
QUANTITY	2	
MOTOR DETAILS:		
POWER OUTPUT REQD.	KW	30
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	2920
PUMP GD ²	KG.M ²	
COUPLING GD ²	KG.M ²	
GD ² TOTAL	KG.M ²	0.10
TORQUE AT ZERO SPEED	KG. M	8.7
TORQUE AT 5 % SPEED	KG. M	7.83
TORQUE AT RATED SPEED	KG. M	8.7
TORQUE VARIES LINEARLY WITH SPEED BETWEEN VALUES INDICATED ABOVE		
LT MOTOR SPEC. NO & DATA SHEET NO.	TDC:TCI:141/ Latest Rev	

PREPARED	DATE	APPROVED	DATE
Vikas Sethi	08.02.2019	V Shankar Naik	08.02.2019