



OMEC NORTH AMERICA INC

UL LISTED FIREPUMP MOTORS - MULTI VOLTAGE : MULTI FREQUENCY

PRODUCT FEATURES

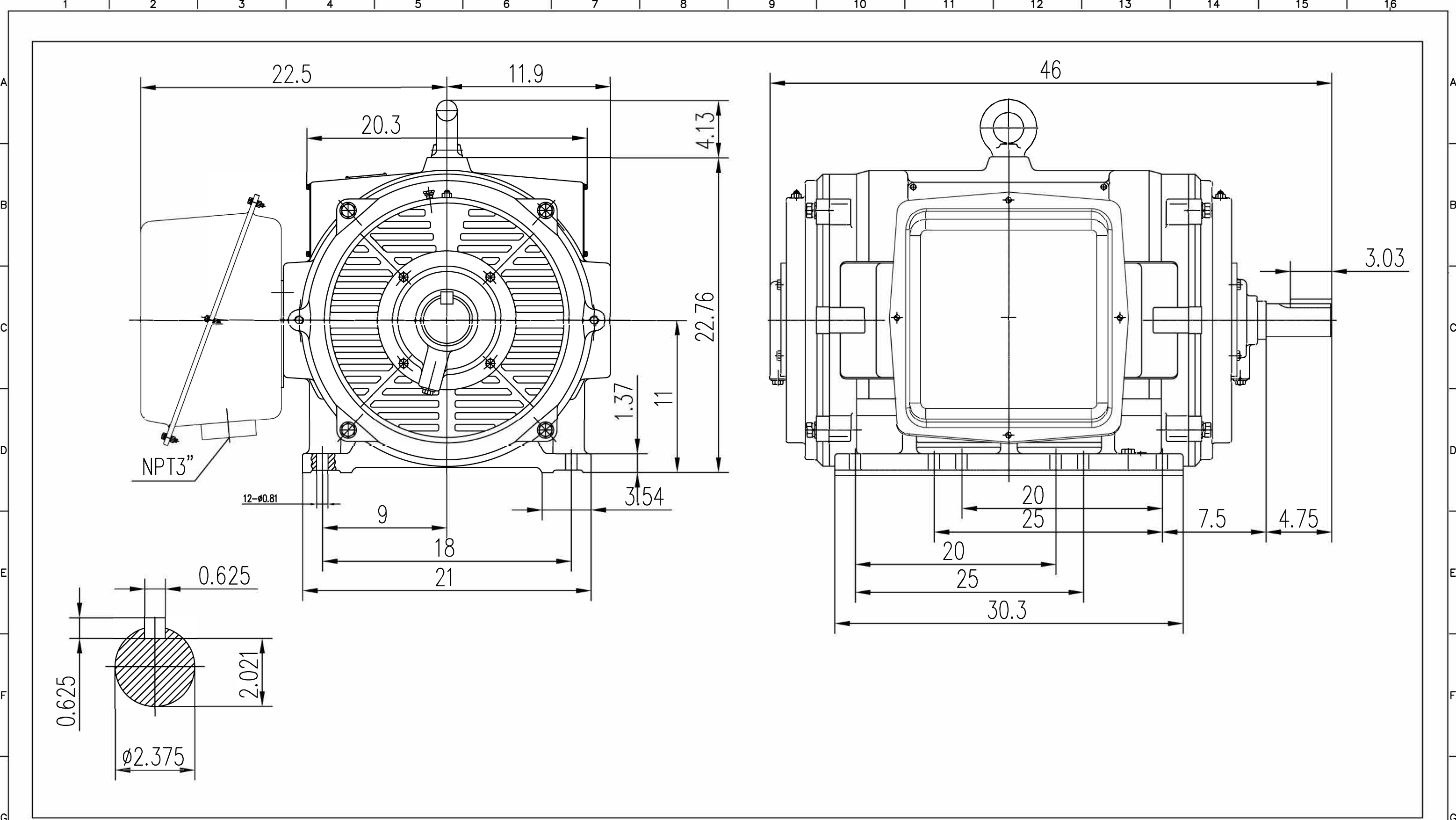
Model Number	ODP 449TS-2 400HP		
Standard	NEMA MG-1	Output	400HP / 300KW
Hazardous Classification	None (Safe Area)	No of Poles	2P
Efficiency Class	NEMA HIGH (IE2) EPACT	Frame Size	449TS
Number of Phases	3 Phase- Induction	Type	HORIZONTAL
Material of Construction	Cast Iron	Enclosure Type / Cooling	ODP / IC01
Insulation Class	Class F	Degree of Protection	IP23
Temperature Rise Class	80K (B class)	Duty Cycle	S1- Continuous Duty
Ambient Temperature	-15°C ~ 55°C	Service Factor	SF 1.15
Starting Method	DOL / Y-D Start	Operating Altitude	1000 masl & <95% RH

TECHNICAL DETAILS

Winding Connection	Δ (Delta)						
KVA Code	CODE G						
Nema Design	DES B						
Frequency	50Hz			60Hz			
Rated Speed	2970 Rpm			3575 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	528.00 A	507.00 A	495.00 A	528.00 A	502.00 A	466.00 A	446.00 A
Locked Rotor Current [IL / IN]	7.0	7.5	8.0	6.0	6.6	7.6	8.0
I max [Less than or Equal]	3696.00 A	3802.50 A	3960.00 A	3168.00 A	3313.20 A	3541.60 A	3568.00 A
Starting Torque [Tst]	120%	120%	120%	120%	120%	120%	120%
Breakdown Torque [Tmax]	200%	200%	200%	200%	200%	200%	200%
Efficiency	100% load	95.4%	95.4%	95.4%	95.4%	95.4%	95.4%
Power Factor (cos φ)	100% load	0.89	0.89	0.89	0.90	0.90	0.90

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing /Ball Bearing		
Bearing Lubrication Type	DE:	Grease	NDE: Grease
Bearing Series Type	DE:	6314C3	NDE: 6314C3
Terminal Box Position	Side	Direction of Rotation	CW from DE
Final Colour	RAL 3002- RED	Paint Specification	2 Pack Epoxy
Bracket Material	Cast Iron	Mounting Option	F1



NEMA ODP MOTORS				DRAWING TITLE:		DESCRIPTION:	
				OUTLINE DRAWING		Motor Frame: 447 449TS-2	
OMEC NORTH AMERICA INC.				Sheet No.	Dim.	Size	Scale
				1 OF 1	mm	A3	1:5.5
A.J.B.	15.Jan.2025	-----	00				
Drawn By	Date	Approved By	Rev.				