



OMEC NORTH AMERICA INC

UL LISTED FIREPUMP MOTORS - MULTI VOLTAGE : MULTI FREQUENCY

PRODUCT FEATURES

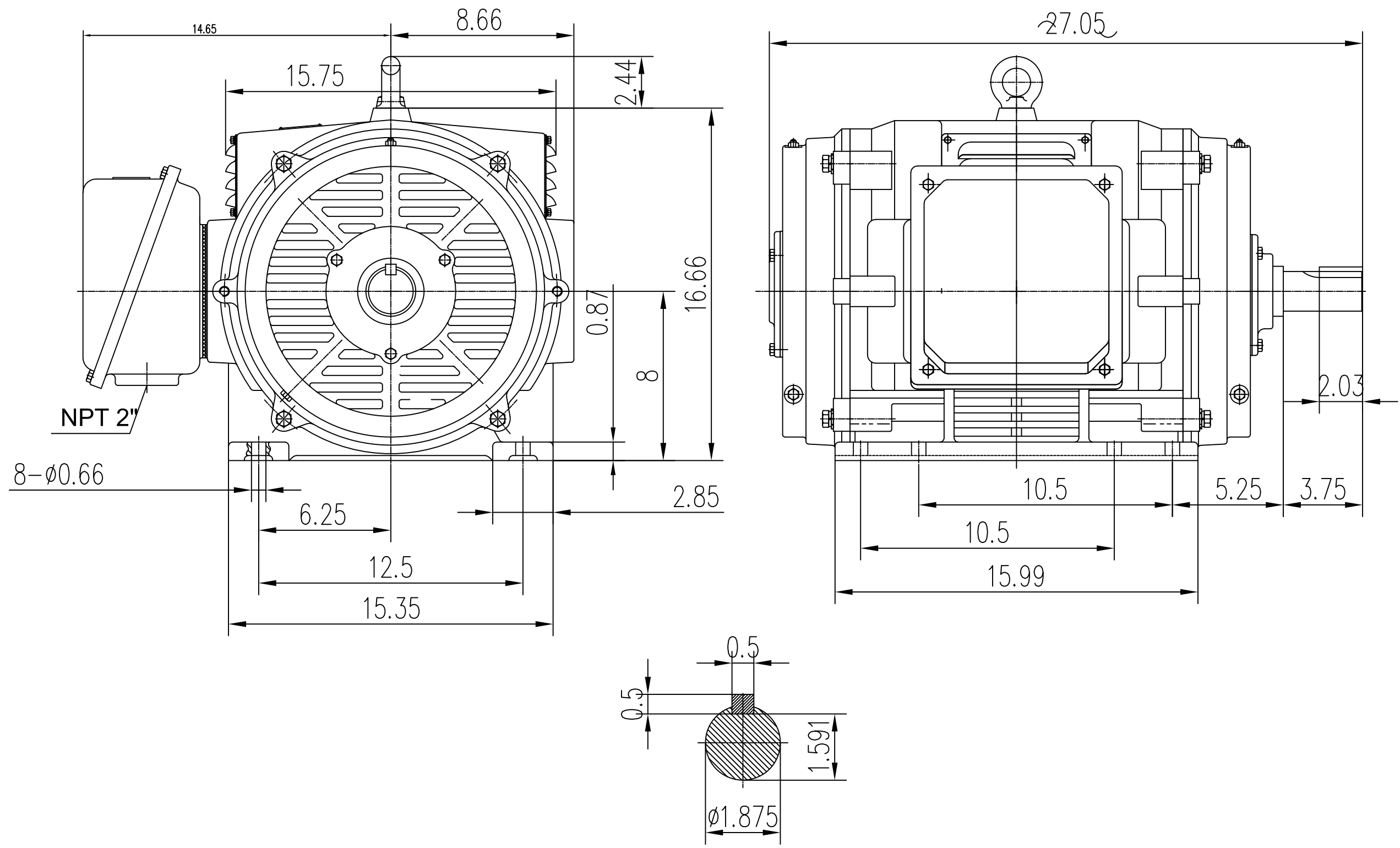
Model Number	ODP 324TS-2 50HP		
Standard	NEMA MG-1	Output	50HP / 37KW
Hazardous Classification	None (Safe Area)	No of Poles	2P
Efficiency Class	NEMA HIGH (IE2) EPACT	Frame Size	324TS
Number of Phases	3 Phase- Induction	Type	HORIZONTAL
Material of Construction	Cast Iron	Enclosure Type / Cooling	ODP / 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	2965 Rpm			3560 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	68.90 A	66.20 A	64.60 A	68.90 A	65.50 A	60.20 A	57.60 A
Locked Rotor Current [IL / IN]	6.5	7.0	7.5	5.5	6.0	7.1	7.5
I max [Less than or Equal]	447.85 A	463.40 A	484.50 A	378.95 A	393.00 A	427.42 A	432.00 A
Starting Torque [Tst]	120%	120%	120%	120%	120%	120%	120%
Breakdown Torque [Tmax]	200%	200%	200%	200%	200%	200%	200%
Efficiency	100% load	92.4%	92.4%	92.4%	92.4%	92.4%	92.4%
Power Factor (cos φ)	100% load	0.88	0.88	0.88	0.89	0.89	0.89

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing /Ball Bearing		
Bearing Lubrication Type	DE:	Grease	NDE: Grease
Bearing Series Type	DE:	6212C3	NDE: 6212C3
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: 324TS-2
					OMEC NORTH AMERICA INC.	Sheet No.	Dim.	Size	Scale
A.J.B.	15.Jan.2025	-----	00	1 OF 1		mm	A3	1:5.5	
Drawn By	Date	Approved By	Rev.						