



OMEC NORTH AMERICA INC

UL LISTED FIREPUMP MOTORS - MULTI VOLTAGE : MULTI FREQUENCY

PRODUCT FEATURES

Model Number	TEFC 324TS or T-4 40HP		
Standard	NEMA MG-1	Output	40HP / 30KW
Hazardous Classification	None (Safe Area)	No of Poles	4P
Efficiency Class	NEMA HIGH (IE2) EPACT	Frame Size	324TS or T
Number of Phases	3 Phase- Induction	Type	HORIZONTAL
Material of Construction	Cast Iron	Enclosure Type / Cooling	TEFC / IC411
Insulation Class	Class F	Degree of Protection	IP55
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	1475 Rpm			1780 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	58.00 A	55.80 A	54.40 A	58.00 A	55.10 A	51.30 A	49.10 A
Locked Rotor Current [IL / IN]	6.0	6.6	7.0	5.0	5.5	6.6	7.0
I max [Less than or Equal]	348.00 A	368.28 A	380.80 A	290.00 A	303.05 A	338.58 A	343.70 A
Starting Torque [Tst]	140%	140%	140%	140%	140%	140%	140%
Breakdown Torque [Tmax]	200%	200%	200%	200%	200%	200%	200%
Efficiency	100% load	93.0%	93.0%	93.0%	93.0%	93.0%	93.0%
Power Factor (cos φ)	100% load	0.83	0.83	0.83	0.84	0.84	0.84

OTHER DETAILS

Bearing Configuration (DE / NDE)	Ball Bearing /Ball Bearing		
Bearing Lubrication Type	DE:	Grease	NDE: Grease
Bearing Series Type	DE:	6312C3	NDE: 6311C3
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