



OMEC NORTH AMERICA INC

UL LISTED FIREPUMP MOTORS - MULTI VOLTAGE : MULTI FREQUENCY

PRODUCT FEATURES

Model Number	TEFC 256T-2 20HP		
Standard	NEMA MG-1	Output	20HP / 15KW
Hazardous Classification	None (Safe Area)	No of Poles	2P
Efficiency Class	NEMA HIGH (IE2) EPACT	Frame Size	256T
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	2940 Rpm			3530 Rpm			
Voltage	380	400	415	380	400	440	460
Full Load Current [IN]	28.60 A	27.40 A	26.80 A	28.20 A	26.80 A	24.70 A	23.60 A
Locked Rotor Current [IL / IN]	6.0	6.5	7.0	5.0	5.5	6.6	7.0
I max [Less than or Equal]	171.60 A	178.10 A	187.60 A	141.00 A	147.40 A	163.02 A	165.20 A
Starting Torque [Tst]	130%	130%	130%	130%	130%	130%	130%
Breakdown Torque [Tmax]	200%	200%	200%	200%	200%	200%	200%
Efficiency	100% load	90.2%	90.2%	90.2%	90.2%	90.2%	90.2%
Power Factor (cos ϕ)	100% load	0.87	0.87	0.87	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:	6209 2ZC3	NDE:	6209 2ZC3
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	