POWER | PROTECT | CONNECT

SERIES: 3PH-M | DESCRIPTION: 3 PHASE MOTOR DRIVE TRANSFORMER

FEATURES

- All units feature copper windings and isolated coils
- Dielectric Strength 4,000V
- Easy access terminals (lead wires) simplify installation in various applications
- Designed to meet UL 5085-1 and 5085-2
- Class H (180°C), UL 1446 Insulation system
- Temperature rise up to 115°C maximum



signal TRANSFORMER a bel group

MODEL

MODEL	Motor Horse Power	Power	Dimensions			Total Weight
			"L"	"D"	"H"	
	nom [HP]	nom [kVA]	max [mm/inch]	max [mm/inch]	max [mm/inch]	max [LB]
3PH-M-3	2.0	3.0	270 / 10.63	180 / 7.10	210 / 8.27	30.70
3PH-M-6	3.0	6.0	300 / 11.80	190 / 7.48	270 / 10.63	52.00
3PH-M-9	5.0	9.0	315 / 12.40	200 / 7.87	320 / 12.60	71.00
3PH-M-15	7.5	15.0	345 / 13.58	235 / 9.25	330 / 13.0	99.50
3PH-M-25	10.0	25.0	375 / 14.76	250 / 9.84	420 / 16.54	148.00
3PH-M-30	15.0	30.0	375 / 14.76	260 / 10.24	440 / 17.32	169.00

PART NUMBER KEY

3PH-M - X - XXX - XXX_XXX

Type / Product Series
3PH-M = 3 Phase Motor Drive Transformer

Power (kVA)

Input Voltage[4]
DELTA: 50/60 Hz, L-L (V)
380
400
480

Output Voltage[5]
WYE: L-L/L-N (V)
200/115
220/127
230/133
380/220
400/230
415/240
440/254
460/266
575/330

Notes:

1. *All standard transformers shown below are open frame.*
2. *100% Tested transformers.*
3. *Special voltages available upon request.*
4. *Input Voltage – 380V or 400V or 480V ± 10%, 50/60Hz Delta configuration; Terminals - H1-H2-H3*
5. *Output Voltage – 200V, 220V, 230V, 380V, 400V, 415V, 440V, 460V, 575V ± 5%. WYE configuration; Terminals – X0-X1-X2-X3*
6. *Only one input voltage per unit.*
7. *Only one output voltage per unit.*

Please read our datasheet & drawing disclaimer here.

SAFETY AND COMPLIANCE

Parameter	Compliant	Min	Typ	Max	Units
Safety approvals	Designed to meet 5085-1 & 5085-2: UL				
Isolation voltage			4000		V
Insulation Class	Class H (180°C), UL 1446 Insulation system				
RoHS	Compliance with ROHS				

ENVIROMENTAL

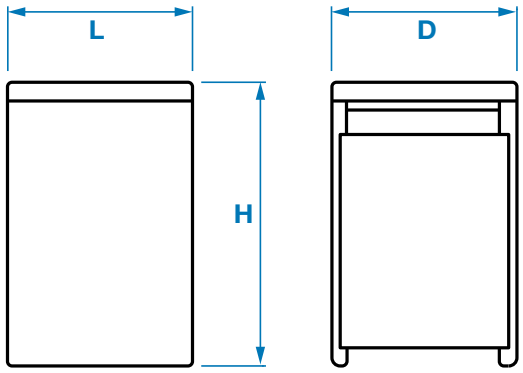
Parameter	Conditions	Min	Typ	Max	Units
Temperature rise				115	°C
Sound level				65	dB

MECHANICAL

Parameter	Conditions	Min	Typ	Max	Units
Terminals	Lead wires UL 1015, 12.0” long Input - black and white Output - red and white				

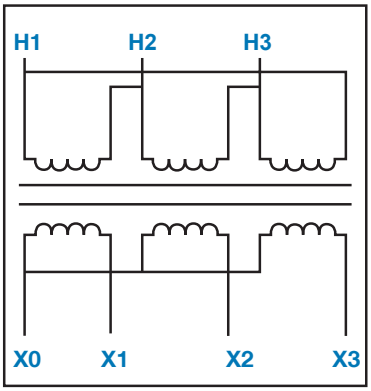
MECHANICAL DRAWING

Units: mm



Note: 1. Refer to the model table for dimensions.

ELECTRICAL DIAGRAM



TERMINALS

Reference	Function	Configuration	Color
X0-X1-X2-X3	Output	WYE	Red & White
H1-H2-H3	Input	Delta	Black & White

REVISION HISTORY

Rev.	Description	Date
1	initial release	December/19/2024

NUCLEAR AND MEDICAL APPLICATIONS - Products are not designed or intended for use as critical components in life support systems, equipment used in hazardous environments, or nuclear control systems.

TECHNICAL REVISIONS - The appearance of products, including safety agency certifications pictured on labels, may change depending on the date manufactured. Specifications are subject to change without notice.

POWER | PROTECT | CONNECT

Bel Fuse Inc.
300 Executive Drive, Suite 300
West Orange, NJ 07052
United States

© 2024 Bel Fuse Inc.

Toll Free 866-239-5777
Tel 516-239-5777 | Fax 516-239-7208
sales@signaltransformer.com
techhelp@signaltransformer.com

belfuse.com