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 PRODUCT-DETAILS

# IDVSM4400T-4

## AC VS Master 100 Hp 460 V (IDVSM4400T-4)




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**General Information**

Global Commercial Alias	IDVSM4400T-4
Product ID	7BIDVSM4400T-4
ABB Type Designation	100HP,1785-2680RPM,3PH,60-90HZ,405T
Catalog Description	AC VS Master 100 Hp 460 V (IDVSM4400T-4)

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**Additional Information**

ABB Type Designation	100HP,1785-2680RPM,3PH,60-90HZ,405T
Altitude	1000 m
Ambient Temperature	40 °C
Base Speed	1800 r/min
Bearing	80BC03J30X, Ball
Bearing NDE	80BC03J30X
Brake Present	No
Brand / Label	Baldor-Reliance
Catalog Number	IDVSM4400T-4
Certification Agency	CCSA US
Country of Origin	United States (US)

Customs Tariff Number	85015230
Dimension Diagram	617429-201
Direction of Rotation	Both sides
Drive End Flange Type	Standard
ETIM 7	EC001851 - Electric motor
Efficiency Level	Not Regulated / Exempt

## Electrical Data

Current	Freq	Power	Speed	Voltage
115 A	60 Hz	100 Hp	1785 r/min	460 V
112 A	90 Hz	100 Hp	2680 r/min	460 V

Enclosure Type	TEFC
Frame Material	Iron
Frame Size	405
Frequency (f)	60 Hz 90 Hz
Global Commercial Alias	IDVSM4400T-4
Gross Volume	75711.563 in <sup>3</sup>
Gross Weight	1218 lb
IC Class	TEFC
IDEA Granular Category Code (IGCC)	1328 >> Multi phase motor AC
IE Class Data (50 Hz)	IE Class NA
IE Class Data (60 Hz)	IE Class NA
IM Class	F1
Insulation Class	F
Invoice Description	100HP,1785-2680RPM,3PH,60-90HZ,405T,A400
Lubrication	Regreasable
Made To Order	No
Maximum Speed	3600 r/min
Medium Description	AC VS Master, 100 HP, 1800 RPM, Frame Size 405T, Standard Mounting, 3 Phase, TEFC Enclosure, 460 V, 60 Hz (IDVSM4400T-4)
Minimum Order Quantity	1 piece
Motor Base Type	Foot Mounted
Motor Frame Size	405T
Mounting Orientation	Horizontal
Mounting Position	F1
NEMA Design Code	A
Number of Phases	3
Number of Poles	4
Number of Poles (High)	4
Number of Speeds	Single Speed
Order Multiple	1 piece
Output Power	100 Hp
Power Factor	86 %
Product Name	AC VS Master
Product Net Depth / Length	41.5 in
Product Net Height	52.5 in
Product Net Weight	1218 lb
Product Net Width	34.75 in
Product Type	Undefined
Quote Only	No
Rated Current (I <sub>n</sub> )	115 A
Rated Efficiency	94.10 %

Rated Speed	1785 r/min 2680 r/min
Selling Unit of Measure	piece
Service Factor	1.00
Shaft Diameter	2.88 in
Short Description	100 HP, 1800 RPM, Frame Size 405T, Standard, 3 PH, TEFC, 460 V
Standards	NEMA
Starting of Motor	Direct On Line
Stocked At (Warehouses)	Menden, Germany Singapore, Singapore China Alabama, United States Alaska, United States
Temperature Class Default	1800 r/min --
Two Speed Motor	No
Type of Duty	Continuous
UNSPSC	26101115
Voltage Code	L
Voltage Rating	460 V

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## Categories

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Motors and Generators → Motors for Inverter/Vector Duty Applications → Variable Speed AC Motors → AC VS Master Motors

