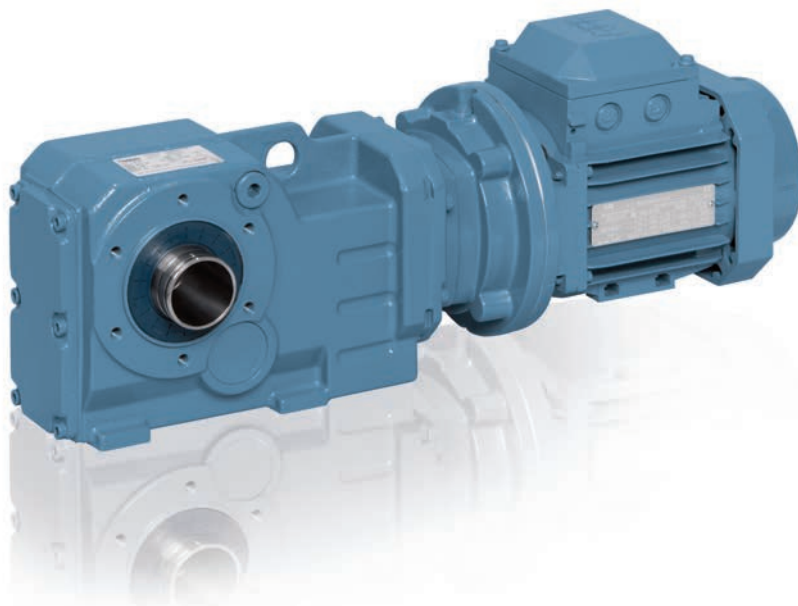


Product note

Quantis® ATEX Certification



Introducing Dodge® Quantis ATEX Certification

ATEX certification is now available for Dodge Quantis Reducers, manufactured under guidelines of the ATEX directive 94/9/EC. These guidelines provide legal requirements for the manufacturing of products that may be used in potentially explosive environments. ATEX directive 94/9/EC is a required certification for explosion proof applications through the European Union, as well as, many other countries. ATEX certification is not required for North American applications, as they would fall under the Class/Division Standard set by NEC/CEC.

The Quantis ILH, RHB, & MSM size 38 and 48 reducers are suitable for ATEX Category 2, Group II and I, for gas and dust environments. The Quantis ILH, RHB, & MSM sizes 68-168 reducers are suitable for ATEX Category 2 and M2 (mining), Group II and I, for gas and dust environments. Dodge Quantis ILH, RHB and MSM reducers size 38-168 are suitable for ATEX Category 3 for all gas and dust environments within ignition temperatures higher than T4 (135 deg. C).

Quantis reducers with c-face clamp collar and three piece coupled input configurations have a -30 to +50 deg. C ambient temperature certification. Quantis reducers with separate input configurations have a -30 to +45 deg C ambient temperature certification.

Belton Manufacturing Plant Capabilities

ATEX Certification Specifications:

- ILH, RHB, MSM
- Sizes 38-168
- Single, Double, Triple reduction
- Clamp collar, 3 PC coupled, separate input (NEMA and IEC)
- Steel KTR coupling used with 3 PC coupled input
- All standard output shaft configurations (inch and metric)
- B14 and B5 output flange options
- Viton input and Viton output seals
- Washdown breather*
- Oil sight gage*
- ABB blue paint available as paint option
- ATEX certified nameplate
- ATEX supplemental instructions and certification (MN16008)

*Excluded on size 38 reducers.



Menden Build Center Capabilities

ATEX Certification Specifications

- ILH, RHB, MSM
- Sizes 38-108
- Double & triple reduction
- Clamp collar (IEC only)
- All standard output shaft configurations (metric only)
- B14 and B5 output flange options for RHB and MSM
- Viton input and Viton output seals
- Washdown breather*
- Oil sight gage*
- ATEX certified nameplate
- ATEX supplemental instructions and certification (MN16008)
- Use variant code 359 in OMS to apply ATEX features on units built in Menden
- Units shipped with ABB blue paint as standard

*Excluded on size 38 reducers.

Reducer Size	ATEX Certification Categories for Dodge Quantis Reducers		ILH		RHB		MSM	
			Max Ratings		Max Ratings		Max Ratings	
			Input Power	Torque	Input Power	Torque	Input Power	Torque
			kW (Hp)	Nm (In-Lbs)	kW (Hp)	Nm (In-Lbs)	kW (Hp)	Nm (In-Lbs)
38	ATEX Category 2 Group II and I, for gas and dust environments	ATEX Category 3 for all gas and dust environments with ignition temperatures higher than T4	6.61 (8.87)	220 (1947)	4.18 (5.6)	250 (2213)	5.55 (7.45)	330 (2921)
48			10.35 (13.88)	450 (3983)	7.38 (9.9)	450 (3985)	5.74 (7.7)	540 (4780)
68	19.86 (26.64)		800 (7081)	10.35 (13.88)	821 (7262)	20.07 (26.92)	1000 (8851)	
88	33.89 (45.45)		1680 (14870)	20.09 (26.94)	1315 (11638)	33.90 (45.47)	16817 (16817)	
108	68.68 (92.12)		3100 (27438)	33.82 (45.36)	2534 (22430)	55.29 (74.16)	3400 (30093)	
128	101.39 (135.98)		5101 (45140)	69.08 (92.65)	4703 (41623)	99.32 (133.21)	6101 (53991)	
148	107.92 (144.74)		8001 (70808)	101.51 (136.15)	8005 (70848)	144.74 (144.74)	8701 (77004)	
168	118.31 (158.68)		14002 (123914)	90.15 (120.91)	11852 (104886)	118.39 (158.78)	13401 (118603)	

For more information please contact:

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