

End-to-end drive solutions up to 500 HP

DRN355 AC motors for power ratings of 350 to 500 HP



The complete motor modular system in IE3, now also from 350 to 500 HP

Solutions involving industrial gear units are particularly likely to require high-power drives. Given the correspondingly tougher IE3 efficiency requirements that apply worldwide in this power range, we have now developed the DRN355 specifically for such applications. It goes without saying that the DRN355 forms part of our modular DRN.. motor system and meets all the relevant efficiency requirements, which means it can be used the world over.

Everything from a single source















- Couplings – input and output side
- Drive packages on steel solutions (industrial gear units on swing base)
- Brakes
- External oil supply and oil cooling systems



The DRN355 is a typical 4-pole asynchronous motor. Its feet form an integral part of the housing, which ensures rigid, virtually flex-free attachment to the customer application. A fan guard extension is installed in the version without IEC flange to improve ventilation of the A-side bearing.



Available certifications

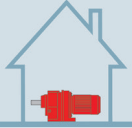
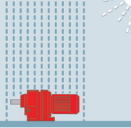

Country of use	Certification	Label
 USA	UR, DoE	
 Canada	CSAe	
 Europe	CE	
 China	CEL	
 Brazil	ABNT, INMETRO	
 Eurasian Economic Union	EAC	
 Marokko	CMIM	

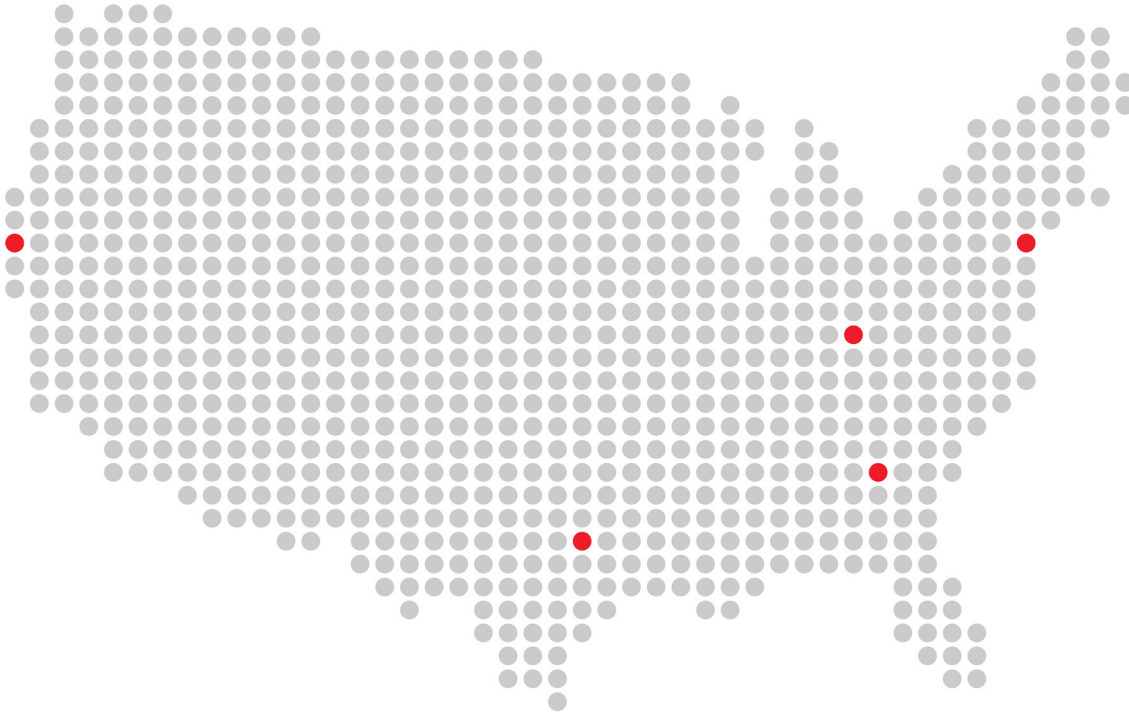
Combinations of certifications are possible.

Technical data

460 V / 60 Hz	P_n	T_N	n_N	I_n	$\cos \phi$	I_a / I_n	T_A / T_N T_H / T_N	M_k / M_n
	HP	lb-in	min ⁻¹	A				
DRN355MS4	350	12,213	1793	385	0.87	7.4	2.2 1.6	3.0
DRN355MR4	400	14,160	1793	445	0.87	9.1	2.9 2.3	3.7
DRN355M4	450	15,842	1792	495	0.88	8.2	2.6 2.1	3.3
DRN355ML4	500	17,700	1793	550	0.88	8.3	2.3 1.6	2.9

Surface protection information

	Standard Dry indoor environment	OS2 Outdoor/splash exposure	OS4 Chemical wet operation
			
Suited for environment	Suitable for machines and systems within buildings and interior rooms with neutral atmospheres	Suitable for environments with high humidity such as outdoor applications subject to direct weathering or indoor environments with splashing water	Suitable for environments with permanent humidity and severe atmospheric or caustic wet cleaning also with chemical cleaning agents
Corrosivity category per ISO 12944-2	C1 (negligible)	C3 (moderate)	C5-I (severe)



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