

ELECTRIC MOTORS





When the motor is driven with frequency inverter additional motor for forced cooling is necessary. Technical data for main motors as well as for forced cooling motors see above. The motor can be equipped also with flame proof encoders.

Explosion protection	
Marking	Ex I M2 Ex de I Mb, I M2 Ex dbe I Mb Ex I M2 Ex d I Mb, I M2 Ex db I Mb PB Ex d I Mb

Technical data	
Frame sizes	71-80-90-100-112-132-160-180-200-225-250-280-315-355
Power	0.18 kW to 400 kW
Voltage	380 V to 1140 V

Main motor	Motor for forced cooling	
4KTCR 71	4KTCR 71 A2	0.37 kW
4KTCR 80	4KTCR 71 A2	0.37 kW
4KTCR 90	4KTCR 71 A2	0.37 kW
4KTCR 100	4KTCR 71 A2	0.37 kW
4KTCR 112	4KTCR 71 A2	0.37 kW
4KTCR 132	4KTCR 71 A2	0.37 kW
4KTCR 160	4KTCR 71 A2	0.37 kW
4KTCR 180, 3KTCR 180, 3KTCP 180	4KTCR 80 A4	0.55 kW
4KTCR 200, 3KTCR 200, 3KTCP 200	4KTCR 80 A4	0.55 kW
4KTCR 225, 3KTCR 225, 3KTCP 225	4KTCR 80 A4	0.55 kW
5KTCR 250, 4KTCR 250, 4KTCP 250	4KTCR 90 L4	1.5 kW
5KTCR 280, 4KTCR 280, 4KTCP 280	4KTCR 90 L4	1.5 kW
5KTCR 315, 4KTCR 315, 4KTCP 315	4KTCR 90 L4	1.5 kW
5KTCR 355, 5KTCP 355	4KTCR 100 LB4	3 kW

Frame size	71	80	90	100	112	132	160	180	200	225	250	280	315	355
Special voltage up to 1140 V	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Special frequency	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Frequency inverter drive	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Special power	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Special shaft end	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Free shaft end on NDS-end of motor	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Special flange	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Flange made in R acc. to DIN 42955	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Additional greasing								●	●	●	●	●	●	●
Fixed bearing on AS								●	●	●	●	●	●	●
2RS bearings	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Labyrinth seal							●	●	●	●	●	●	●	●
Oil seal								●	●	●	●	●	●	●
Protection IP 56	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Protection IP 65	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Protection IP 66	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Protection cover	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Vibrations within R or S limits	●	●	●	●	●	●	●	●	●	●	●	●	●	●
SPM placing							op	op	op	op	op	op	op	op
Special data plate	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Terminal box with Ex d cable glands	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Terminal box with socket	op	op	op	op	op	op	op	op	op	op	op	op	op	op
Thermal protection of winding	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Heating of winding against condensation	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Heating of winding at temp. lower -20 °C	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Insulation class H	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Special colour	●	●	●	●	●	●	●	●	●	●	●	●	●	●

● = on request

op = option

Ordering data

- rating in kW
- voltage and frequency
- r.p.m.
- type of motor arrangement (form IM ..)
- mechanical requirements
- special requirements (i.e. H-class thermal insulation, two-shaft, radial bearing seals...).

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