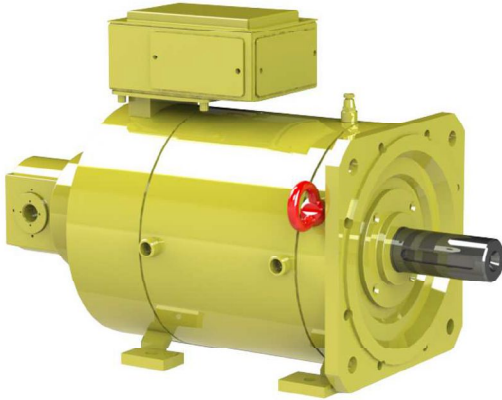


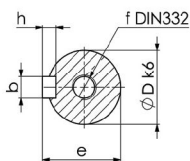
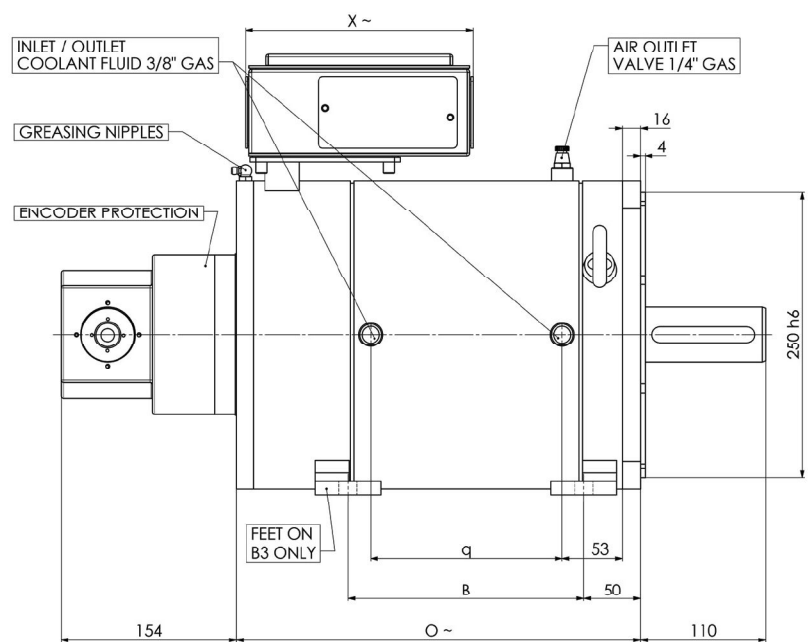
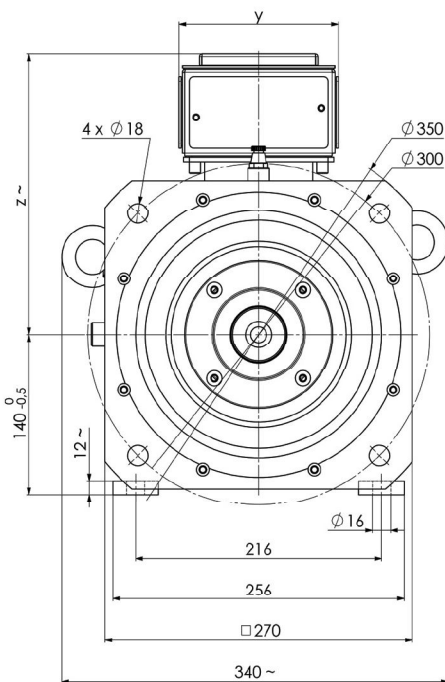
KHS FLUID 132C

LIQUID COOLED IP54 ASYNCHRONOUS MOTORS

OVERVIEW



IP PROTECTION	IP54 (IP55 on request)
THERMAL PROTECTION TYPE	KLIXON (PT100, PTC on request)
BALANCING, VIBRATION GRADE (EN 60034-14 / VDE 0530 part 14)	A (B on request)
INSULATION CLASS	F
COOLING METHOD	LIQUID (flowrate by size) 20°C (68°F) WATER + MAX 20% ETHYLENE GLYCOL
Amb. Cond.	0 + 40°C (32 + 104°F) 1000m ASL
TRANSDUCER	ENCODER OR RESOLVER (on request)
MOUNTING FORM	B3, B35, or other on request
BRAKE	up to 300 Nm (on request)
DE BEARING	BALL (ROLLER on request)
NDE BEARING	ROLLER
MAX MECHANICAL SPEED	6500 r.p.m. (4000 r.p.m. roller bearing) (S4 version up to 9000 r.p.m.)
PAINTING SYSTEM	NITRO, POLYURETHANIC on request



D	b x h	e	f
42 *	12x8	45	M12 DIN332
48	14x9	51,5	M16 DIN332

unit [mm]

SIZE	VARIABLE DIMENSIONS BY SIZE					
	B	O	x	y	z	q
132C.1	207	355	200	140	245	168
132C.2	252	400	200	140	245	213
132C.3	287	435	260	190	275	248
132C.4	357	505	260	190	275	318
132C.5	427	575	260	190	275	388
132C.6	482	630	260	190	275	443

* OPTION

KHS FLUID 132C

LIQUID COOLED IP54 ASYNCHRONOUS MOTORS

WINDINGS

Speed values must be technically compatible with bearings type and applied accessories

FLUID AX 132C.1

S4 VERSION POWER DERATING: -5%

Poles: 2p=4 Tmax=2,2Tn J=0,052Kgm ²			DUTY S1					DUTY S6/40%				Fluid circuit parameters Water + max 20% Ethylene Glycol T _m =20°C (68°F)	
Voltage	Speed	Freq.	Tn	In	Pn	Eff.	constant power max speed	Tol	Iol	Pol	constant power max speed	Flow Rate	Suggested Chiller min. Diss. Power
V	RPM	HZ	Nm	A	kW	%	RPM	Nm	A	kW	RPM	L /min	kW
400	1060	36,8	124	28,5	13,8	84,0	2700	162	36,5	18,0	1800	10	3,5
400	1520	51,7	120	37,5	19,0	87,5	4000	155	48,0	24,7	2800	10	3,7
400	2050	69,0	116	48,0	25,0	90,0	5500	150	60,5	32,2	4100	12	3,8
400	3000	101,8	112	63,0	35,0	92,0	6500	145	81,5	45,5	5500	12	4,2
460	1060	36,9	124	24,8	13,8	84,0	2700	162	31,8	18,0	1800	10	3,5
460	1510	51,3	120	32,3	18,9	87,5	3950	155	41,4	24,5	2800	10	3,7
460	2040	68,5	116	41,5	24,9	90,0	5450	150	52,3	32,0	4100	12	3,8
460	2990	101,5	111,6	54,6	34,9	92,0	6500	145	71	45,3	5500	12	4,2

FLUID AX 132C.2

S4 VERSION POWER DERATING: -5%

Poles: 2p=4 Tmax=2,2Tn J=0,068Kgm ²			DUTY S1					DUTY S6/40%				Fluid circuit parameters Water + max 20% Ethylene Glycol T _m =20°C (68°F)	
Voltage	Speed	Freq.	Tn	In	Pn	Eff.	constant power max speed	Tol	Iol	Pol	constant power max speed	Flow Rate	Suggested Chiller min. Diss. Power
V	RPM	HZ	Nm	A	kW	%	RPM	Nm	A	kW	RPM	L /min	kW
400	1080	37,5	168	35,5	19,0	85,0	2700	207	46,0	23,4	1800	12	4,3
400	1580	54,3	163	52,0	27,0	89,5	4300	212	65,5	35,1	3150	12	4,4
400	2100	71,7	159	65,5	35,0	91,0	5650	207	83,0	45,5	4200	14	4,8
400	3100	105,1	154	89,0	50,0	92,5	6500	200	114	65,0	6200	14	5,7
460	1070	37,2	168	30,6	18,8	85,0	2700	207	39,7	23,2	1800	12	4,3
460	1560	53,5	163	44,6	26,7	89,5	4250	212	56,1	34,7	3100	12	4,4
460	2110	72,1	159	57,3	35,2	91,0	5700	207	72,6	45,7	4200	14	4,8
460	2970	100,7	154	74,2	47,9	92,5	6500	200	95,0	62,3	5950	14	5,7

FLUID AX 132C.3

S4 VERSION POWER DERATING: -5%

Poles: 2p=4 Tmax=2,2Tn J=0,081Kgm ²			DUTY S1					DUTY S6/40%				Fluid circuit parameters Water + max 20% Ethylene Glycol T _m =20°C (68°F)	
Voltage	Speed	Freq.	Tn	In	Pn	Eff.	constant power max speed	Tol	Iol	Pol	constant power max speed	Flow Rate	Suggested Chiller min. Diss. Power
V	RPM	HZ	Nm	A	kW	%	RPM	Nm	A	kW	RPM	L /min	kW
400	1080	37,6	200	45,5	22,6	86,5	3100	260	57,0	29,4	2200	16	4,8
400	1580	54,3	193	61,5	32,0	90,0	4800	251	77,0	41,6	3400	16	4,9
400	2090	71,2	190	79,0	41,5	91,5	6100	247	99,0	54,0	4800	18	5,3
400	2940	99,6	185	102	57,0	93,0	6500	240	130	74,0	6250	18	6,0
460	1090	37,8	200	39,8	22,8	91,7	3150	260	49,9	29,7	2200	16	4,8
460	1600	55,1	193	54,3	32,4	90,0	4850	251	67,9	42,1	3450	16	4,9
460	2090	71,2	190	68,7	41,5	91,5	6100	247	86,1	54,0	4800	18	5,3
460	2980	101,1	185	90,0	57,8	93,0	6500	240	115	75,0	6350	18	6,0

KHS FLUID 132C

LIQUID COOLED IP54 ASYNCHRONOUS MOTORS

WINDINGS

Speed values must be technically compatible with bearings type and applied accessories

FLUID AX 132C.4

S4 VERSION POWER DERATING: -5%

Poles: 2p=4 Tmax=2Tn J=0,11Kgm ²			DUTY S1					DUTY S6/40%				Fluid circuit parameters Water + max 20% Ethylene Glycol T _m =20°C (68°F)	
Voltage	Speed	Freq.	Tn	In	Pn	Eff.	constant power max speed	Tol	Iol	Pol	constant power max speed	Flow Rate	Suggested Chiller min. Diss. Power
V	RPM	HZ	Nm	A	kW	%	RPM	Nm	A	kW	RPM	L /min	kW
400	1060	36,9	270	59,5	30,0	87,5	3200	351	75,0	39,0	2300	20	5,8
400	1530	52,5	260	80,0	41,6	90,5	4900	337	100	54,0	3500	20	6,0
400	2090	71,2	256	105	56,0	92,0	6400	334	132	73,0	4850	24	6,8
400	3000	101,6	250	140	78,5	93,5	6500	325	176	102	6500	24	7,7
460	1080	37,7	270	52,9	30,6	87,5	3250	351	66,7	39,7	2350	20	5,8
460	1530	52,5	260	69,6	41,6	90,5	4900	337	87,0	54,0	3500	20	6,0
460	2120	72,2	256	92,6	56,8	92,0	6500	334	116,5	74,0	4900	24	6,8
460	2920	98,9	250	118	76,4	93,5	6500	325	149	99,3	6400	24	7,7

FLUID AX 132C.5

S4 VERSION POWER DERATING: -5%

Poles: 2p=4 Tmax=2Tn J=0,14Kgm ²			DUTY S1					DUTY S6/40%				Fluid circuit parameters Water + max 20% Ethylene Glycol T _m =20°C (68°F)	
Voltage	Speed	Freq.	Tn	In	Pn	Eff.	constant power max speed	Tol	Iol	Pol	constant power max speed	Flow Rate	Suggested Chiller min. Diss. Power
V	RPM	HZ	Nm	A	kW	%	RPM	Nm	A	kW	RPM	L /min	kW
400	1050	36,5	340	73,5	37,4	88,0	3200	442	91,5	48,6	2250	26	6,9
400	1530	52,5	325	100	52,0	91,0	4900	422	124	67,6	3600	26	7,1
400	2090	71,1	320	132	70,0	92,0	6500	416	165	91,0	5000	28	8,5
400	3030	102,5	315	180	100	94,0	6500	410	228	130	6500	28	9,0
460	1050	36,4	340	63,7	37,4	88,0	3200	442	79,3	48,6	2250	26	6,9
460	1560	53,7	325	88,9	53,0	91,0	5000	422	110,2	68,9	3650	26	7,1
460	2060	70,1	320	113,1	69,0	92,0	6500	416	141,4	89,7	4950	28	8,5
460	2900	98,2	315	150	95,7	94,0	6500	410	190	124,4	6400	28	9,0

FLUID AX 132C.6

NOT AVAILABLE IN S4 VERSION

Poles: 2p=4 Tmax=2Tn J=0,16Kgm ²			DUTY S1					DUTY S6/40%				Fluid circuit parameters Water + max 20% Ethylene Glycol T _m =20°C (68°F)	
Voltage	Speed	Freq.	Tn	In	Pn	Eff.	constant power max speed	Tol	Iol	Pol	constant power max speed	Flow Rate	Suggested Chiller min. Diss. Power
V	RPM	HZ	Nm	A	kW	%	RPM	Nm	A	kW	RPM	L /min	kW
400	1020	35,5	393	83	42,0	88,0	3200	511	105	54,6	2250	30	7,8
400	1510	51,8	376	115	59,5	91,0	4900	489	143	77,3	3600	30	8,1
400	1960	66,8	370	148	76,0	92,5	6400	482	180	99,0	4800	32	8,6
400	2880	97,5	365	195	110	94,0	6500	474	250	143	6500	32	9,8
460	1020	35,5	393	72,2	42,0	88,0	3200	511	91,3	54,6	2250	30	7,8
460	1520	52,1	376	100,6	59,9	91,0	4950	489	125,1	77,8	3600	30	8,1
460	2070	70,4	370	135,7	80,3	92,5	6500	482	165	104,6	5050	32	8,6
460	2900	98,1	365	171	110,8	94,0	6500	474	219	144,0	6500	32	9,8