

COLDEX

compressors

... nato per l'Europa

Il cuore dell'impianto frigorifero

Il Compressore è il Cuore dell'impianto frigorifero e per poter offrire la massima affidabilità ed efficienza, deve essere progettato, costruito e controllato con l'ausilio delle tecnologie più avanzate e secondo i più rigorosi standard qualitativi.

La linea di compressori COLDEX viene appositamente prodotta per il mercato Europeo, che richiede un alto standard qualitativo, grande affidabilità ed elevata efficienza.

Il controllo qualità, l'attento esame dei componenti, i test meccanici ed elettrici, le prestazioni termodinamiche ed infine l'imballaggio e le spedizioni vengono monitorati da personale italiano in loco che assicura il massimo rispetto delle procedure secondo i più elevati standard Europei.

The heart of cooling system

The Compressor is the Heart of the cooling system. To guarantee the best reliability and the highest efficiency, it must be designed and built using the most advanced technology and according to the highest quality standard.

COLDEX compressor line is manufactured expressly for the European market, which requires high quality standard, good reliability and high efficiency.

Quality control, mechanical and electrical testing analysis, careful examination of components and packaging, and shipment monitoring, are carried out by Italian staff on site, who guarantees total respect of the highest European standard procedures.

R134a LBP 220-240V/50Hz - 50-60Hz

MODEL	VOLTAGE	DISPL.	NOMINAL POWER	HEIGHT	COOLING CAPACITY			RATED WATT	COP	MOTOR	START. RELAY	COOLING TYPE
	Volt/Hz	c.c.	HP	mm	Watt	Kcal/h	BTU	W	W/W			
LD025Z	220-240V/50-60Hz	2.50	1/12	141	65	56	222	62	1.05	RSIR	PTC	S
LD030Z	220-240V/50-60Hz	3.00	1/11	141	75	65	256	74	1.01	RSIR	PTC	S
LD030Z.MB LMBP	220-240V/50-60Hz	3.00	1/10	141	78	67	267	72	1.09	CSIR	relay	S
SR045Z	220-240V/50-60Hz	4.30	1/8	164	110	95	377	96	1.15	RSIR	PTC	S
SR052Z	220-240V/50-60Hz	5.20	1/7	171	130	112	444	108	1.20	RSIR	PTC	S
SR065Z	220-240V/50-60Hz	6.50	1/5	171	168	145	573	140	1.20	RSIR	PTC	S
SR075Z	220-240V/50-60Hz	7.50	1/5+	176	180	156	614	150	1.20	RSIR	PTC	S
SR091Z	220-240V/50-60Hz	9.10	1/4	176	208	180	710	173	1.20	RSIR	PTC	S
SR110Z	220-240V/50-60Hz	9.80	1/4	181	260	224	887	217	1.20	RSIR	PTC	S
RC128Z	220-240V/50Hz	12.80	1/3+	226	280	242	955	265	1.05	RSIR	relay	S
RC142Z	220-240V/50Hz	14.20	1/3++	226	305	264	1041	285	1.07	CSIR	relay	S
TP150Z	220-240V/50Hz	15.27	1/3	226	255	220	870	259	0.99	CSIR	relay PTC	F1
TP168Z	220-240V/50Hz	16.88	1/3+	226	323	279	1102	310	1.04	CSIR	relay PTC	F1
TP180Z	220-240V/50Hz	17.68	1/2-	226	392	339	1338	351	1.12	CSIR	relay PTC	F1
TP210Z	220-240V/50Hz	20.89	2/3-	226	456	394	1556	404	1.13	CSR	JDQ-6B	F1

TEST COND. ASHRAE Amb. Temp.: +32.2°C Evap. Temp.: -23.3°C Suction Temp.: +32.2°C Cond. Temp.: +54.4°C Subcooling Temp.: +32.2°C

R134a MBP/HBP 220-240V/50Hz

MODEL	VOLTAGE	DISPL.	NOMINAL POWER	HEIGHT	COOLING CAPACITY			RATED WATT	COP	MOTOR	START. RELAY	COOLING TYPE
	Volt/Hz	c.c.	HP	mm	Watt	Kcal/h	BTU	W	W/W			
LD025Z.MH	220-240V/50Hz	2.50		145	120	104	409			RSIR	relay PTC	F
LD030Z.MH LMHBP	220-240V/50-60Hz	3.00		145	156	135	532			CSIR	relay PTC	F
PG045Z.MHN	220-240V/50-60Hz	4.50		163	390	335	1331			RSIR/CSIR	PTC	F1
PG055Z.MH	220-240V/50Hz	5.50		171	455	391	1552			RSIR/CSIR	PTC	F1
PG065Z.MHN	220-240V/50-60Hz	6.50		179	580	499	1979			RSIR/CSIR	PTC	F1
PW080Z.MH	220-240V/50Hz	8.00		185	680	585	2320	273		CSIR	relay	F2
PW090Z.MHN	220-240V/50Hz	9.10		202	1220	1049	4163	555		CSIR	relay	F2
PW110Z.MHN	220-240V/50-60Hz	11.00		202	1337	1150	4562	637		CSIR	relay	F2

TEST CONDITIONS Amb. Temp.: +32.2°C Evap. Temp.: +7.2°C Suction Temp.: +35°C Cond. Temp.: +54.4°C Subcooling Temp.: +46.1°C

TEST CONDITION

	LBP-MBP ASHRAE	LBP CECOMAF	MBP-HBP ASHRAE
Evap. Temp. °C	-23,3	-25	7,2
Amb. Temp. °C	32,2	32	32,2
Subcooling Temp. °C	32,2	55	46,1
Condens. Temp. °C	54,4	55	54,4
Suction Temp. °C	32,2	32	35

Motor Type:

RSIR Resistor Start Induction Running
RSCR Resistor Start Capacitor Running
CSIR Capacitor Start Induction Running
CSR Capacitor Start & Running

Conversion Table

kcal/h x 1,163=Watt
kcal/h x 3,968=Btu/h
W x 3,412=Btu/h
W x 0,86=kcal/h

Application

LBP=Low Back Pressure -35°C ÷ -10°C
MBP=Medium Back Pressure -10°C ÷ 0°C
HBP=High Back Pressure -5°C ÷ 15°C

... born for Europe



R404a LBP/MBP 220-240V/50Hz

MODEL	VOLTAGE	DISPL.	NOMINAL POWER	HEIGHT	COOLING CAPACITY			RATED WATT	COP	MOTOR	START. RELAY	COOLING TYPE
	Volt/Hz	c.c.	HP	mm	Watt	Kcal/h	BTU	W	W/W			
TP100G	220-240V/50Hz	10.00	2/3	226	470	404	1604	370	1.27	CSIR	relay PTC	F2
TP120G	220-240V/50Hz	12.00	3/4	226	629	541	2146	469	1.34	CSIR	relay PTC	F2
TP150G	220-240V/50Hz	15.00	4/5	226	805	692	2747	637	1.26	CSIR	relay PTC	F2
TP180G	220-240V/50Hz	18.00	4/5	226	910	783	3105	650	1.40	CSR	voltage relay	F2
TP210G	220-240V/50Hz	21.00	4/5+	226	1033	888	3525	732	1.41	CSR	voltage relay	F2

R600a LBP 230V/50Hz - 220-240V/50Hz

MODEL	VOLTAGE	DISPL.	NOMINAL POWER	HEIGHT	COOLING CAPACITY			RATED WATT	COP	MOTOR	START. RELAY	COOLING TYPE
	Volt/Hz	c.c.	HP	mm	Watt	Kcal/h	BTU	W	W/W			
LD035Y.30	230-240V/50Hz	3.50	1/17	141	56	48	191	43	1.30	RSCR	PTC	S
LD043Y.35	230-240V/50Hz	4.30	1/14	144	72	62	246	53	1.35	RSCR	PTC	S
PD060Y.N	220-240V/50Hz	6.00	1/10	167	100	86	341	77	1.30	RSCR	PTC	S
PD065Y.80	220-240V/50Hz	6.50	1/11	181	115	99	392	64	1.80	RSCR	PTC no power	S
PD075Y.N	220-240V/50Hz	7.50	1/8	167	130	112	444	100	1.30	RSIR	PTC	S
PD075Y.80	220-240V/50Hz	7.50	1/8	181	133	115	454	74	1.80	RSCR	PTC no power	S
PD085Y.80	220-240V/50Hz	8.50	1/8	183	150	130	512	83	1.80	RSCR	PTC no power	S
PD090Y.N	220-240V/50Hz	9.10	1/6	172	155	133	529	119	1.30	RSIR	PTC	S
PD091Y.80	220-240V/50Hz	9.10	1/8-	183	158	137	539	88	1.80	RSCR	PTC no power	S
PD110Y.N	220-240V/50Hz	11.00	1/5	171	183	157	624	136	1.35	RSIR	PTC	S
PD132Y.N	220-240V/50Hz	12.80	1/4	173	215	185	734	159	1.35	RSIR	PTC	S
PD160Y.N	220-240V/50Hz	15.30	1/4	181	260	224	887	158	1.65	RSCR	PTC	F

TEST COND. ASHRAE Amb. Temp.: +32.2°C Evap. Temp.: -23.3°C Suction Temp.: +32.2°C Cond. Temp.: +54.4°C Subcooling Temp.: +32.2°C



COMPACT ROTARY COMPRESSOR M/HBP R134a

MODEL	VOLTAGE	DISPL.	COOLING CAPACITY		RATED WATT	HEIGHT	COP	MOTOR
	Volt/Hz	c.c.	Watt	BTU	W	mm	W/W	
RTX028.MH	220-240V/50Hz	2.8	275	938	125	148	2,2	RSCR
RTX028.HOR	220-240V/50Hz	2.8	275	938	125	104	2,2	RSCR
RTX036.MH	220-240V/50-60Hz	3,6	365	1245	170	148	2,21	RSCR
RTX036.HOR	220-240V/50Hz	3,6	365	1245	170	104	2,21	RSCR
RTX065.MH	220-240V/50Hz	6,5	690	2354	285	170	2,42	RSCR
RTX110.MH	220-240V/50Hz	11.1	1305	4450	440	205	2,96	RSCR

MOBILE REFRIGERATION 12-24 VOLT DC COMPRESSORS 12-24 VOLT DC



Model	Gas	Displac.	Speed/rpm	Watt Cool.	Appl.	Voltage	Current	Hight	Weight
MK 1.3 VS	R134a	1.30 cc	2300/3800	22/31	LBP	12/24v/Solar	1.8/1.29A	99	2.3 Kg
MK 2.0 VS	R134a	2.00 cc	2300/3800	35/52	LBP	12/24v/Solar	1.4/2.0A	99	2.3 Kg
TD35 VS	R134a	2.00 cc	2000/3500	33/50	LBP	12/24v/Solar	2.5/3.8A	137	4.7 Kg
TD50 VS	R134a	2.50 cc	2000/3500	42/71	LBP	12/24v/Solar	3.0/5.4A	137	4.7 Kg
TD80 VS	R134a	3.50 cc	2000/3500	60/105	LBP	12/24v/Solar	4.2/7.2A	137	4.7 Kg
TD80 VS Eco	R600a	3.53 cc	2000/3500	37/60	LBP	12/24v/Solar	2.6/4.2A	142	4.8 Kg