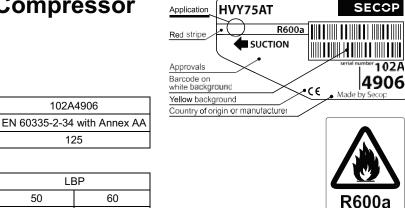
HVY75AT High Energy-optimized Compressor R600a 220-240V 50Hz



Yellow warning label

SECOP

Cooling requirements

General

Code number

Compressors on pallet

Evaporating temperature

Max. condensing temperature continuous (short)

Max. winding temperature continuous (short)

Approvals

Application Application

Frequency

Voltage range

Hz		50			60			
	LBP	MBP	HBP	LBP	MBP	HBP	F	
	S	-	_	-	-	-		
	S	-	_	-	-	-	ĺ	
	S	-	-	1	-	-	F	
							- C	
							ĺ	
	Hz	LBP S S	LBP MBP S – S – S –	LBP MBP HBP S - - S - -	LBP MBP HBP LBP S - - - S - - -	LBP MBP HBP LBP MBP S - - - - S - - - -	LBP MBP HBP LBP MBP HBP S - - - - - - S - - - - - - -	

Hz

°C

V

°C

°C

- = Static cooling normally sufficient
- = Oil cooling 0

Application

102A4906

125

LBP

60

_

_

_

50

-35 to -10

198 - 254

60 (70)

125 (135)

- F_1 = Fan cooling 1.5 m/s
 - (compressor compartment temperature equal to ambient temperature)
- F₂ = Fan cooling 3.0 m/s necessary
- SG = Suction gas cooling normally sufficent
- = not applicable in this area _

Motor

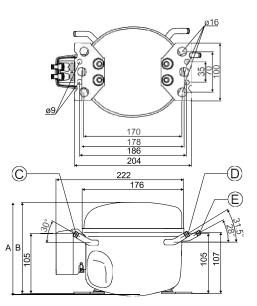
Motor type	RSIR/RSCR				
LRA (rated after 4 sec. UL984), HST LST	А	-	3.3		
Cut in Current, HST LST	А	-	7.2		
Resistance, main start winding (25°C)	Ω	23.7	21.1		

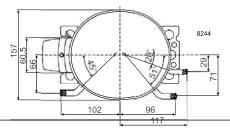
Design

cm ³	7.48
cm ³	180 (mineral)
g	150
cm ³	1690
kg	6.9
	cm ³ g cm ³

Dimensions

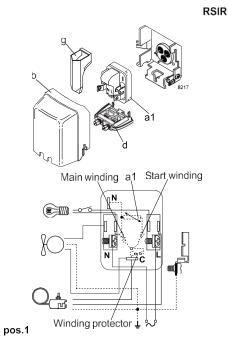
Height	mm	A 163
		B 159
		B1 –
		B2 –
Suction connector	location/I.D. mm angle	C 6.2 30°
	material comment	Copper Rubber plug
Process connector	location/I.D. mm angle	D 6.2 31.5°
	material comment	Copper Rubber plug
Discharge connector	location/I.D. mm angle	E 5.0 28°
	material comment	Copper Rubber plug
Oil cooler connector	location/I.D. mm angle	F –
	material comment	-
Connector tolerance	I.D. mm	±0.09, on 5.0 +0.12/+0.20
Remarks:		
1		

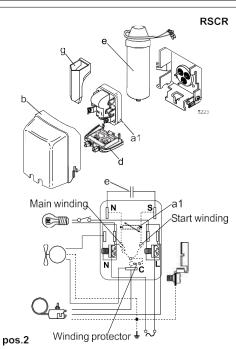




customer specific

EN 12900 Househo	ld (CEC	OMAF)	220V, 5	60Hz, 2	W PTC	consur	nption i	ncl., sta	atic coo	ing						
Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			52.6	71.1	94.0	103	122	155	194								
Power cons. in W			65.2	75.7	86.0	89.5	96.5	108	120								
Current cons. in A			0.56	0.60	0.64	0.65	0.68	0.72	0.77								
COP in W/W			0.81	0.94	1.09	1.15	1.26	1.44	1.62								
EN 12900 Household (CECOMAF) 220V, 50Hz, RC 4μF, 2 W PTC consumption incl., static cooling																	
Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			52.6	71.1	94.0	103	122	155	194								
Power cons. in W			64.0	73.4	82.5	85.6	91.8	102	113								
Current cons. in A			0.34	0.38	0.42	0.43	0.46	0.50	0.54								
COP in W/W			0.82	0.97	1.14	1.20	1.33	1.52	1.73								
ASHRAE LBP				220V, 5	60Hz, 2	W PTC	consur	nption i	ncl., sta	atic cool	ing						
Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			64.3	86.9	115	126	149	189	237								
Power cons. in W			65.4	75.7	85.8	89.3	96.2	107	119								
Current cons. in A			0.56	0.60	0.64	0.65	0.68	0.72	0.76								
COP in W/W			0.98	1.15	1.34	1.41	1.55	1.76	1.99								
ASHRAE LBP				220V, 5	60Hz, R	C 4µF,	2 W PT	C cons	umptior	n incl., s	tatic co	oling					
Evap. temp in °C	-45	-40	-35	-30	-25	-23.3	-20	-15	-10	-6.7	-5	0	5	7.2	10	15	20
Capacity in W			64.3	86.9	115	126	149	189	237								
Power cons. in W			64.2	73.3	82.3	85.4	91.5	101	112								
Current cons. in A			0.34	0.38	0.42	0.43	0.46	0.50	0.54								
COP in W/W			1.00	1.19	1.39	1.47	1.62	1.87	2.12								





Accessories for	HVY75AT	Figure	Code number	Test conditions	EN 12900/ CECOMAF	ASHRAE
PTC starting device	6.3 mm spade connectors	a1	103N0011	Condensing temperature	55°C	54.4°C
	4.8 mm spade connectors	(pos.1)	103N0018	Ambient temperature	32°C	32°C
PTC starting device	6.3 mm spade connectors			Suction gas temperature	32°C	32°C
	4.8 mm spade connectors	a1 (pos.2)	103N0021	Liquid temperature	no subcooling	32°C
ePTC starting device	4.8 mm spade connectors	(003.2)	103N0050			
Cover		b	103N2010	Mounting accessories		Code number
Cord relief		d	103N1010	Bolt joint for one comp.	Ø: 16 mm	118-1917
Run capacitor 4 µF	6.3 mm spade connectors		117-7117	Bolt joint in quantities	Ø: 16 mm	118-1918
(optional)	4.8 mm spade connectors	е	117-7119	Snap-on in quantities	Ø: 16 mm	118-1919
Protection screen for P	тс	g	103N0476			

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