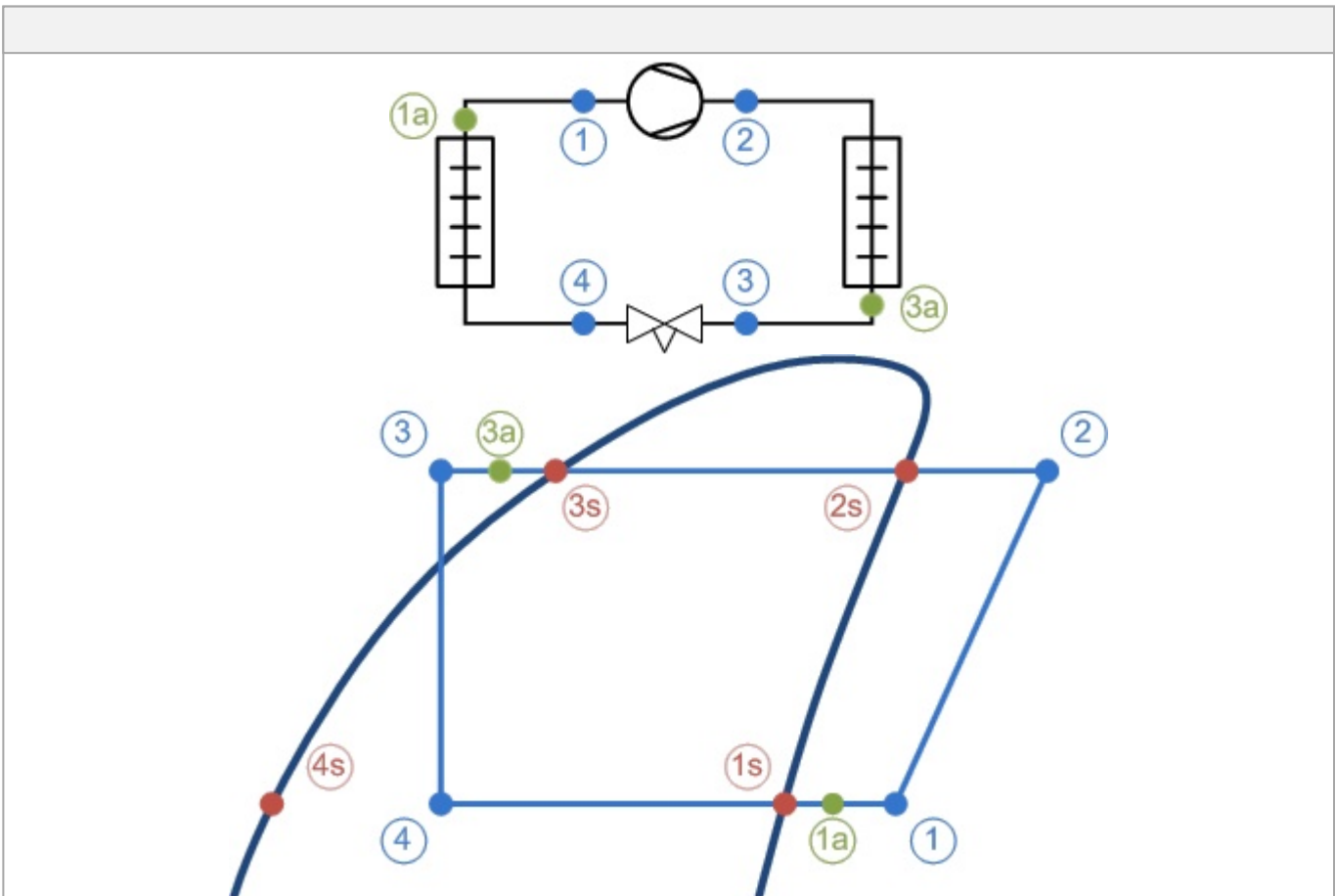
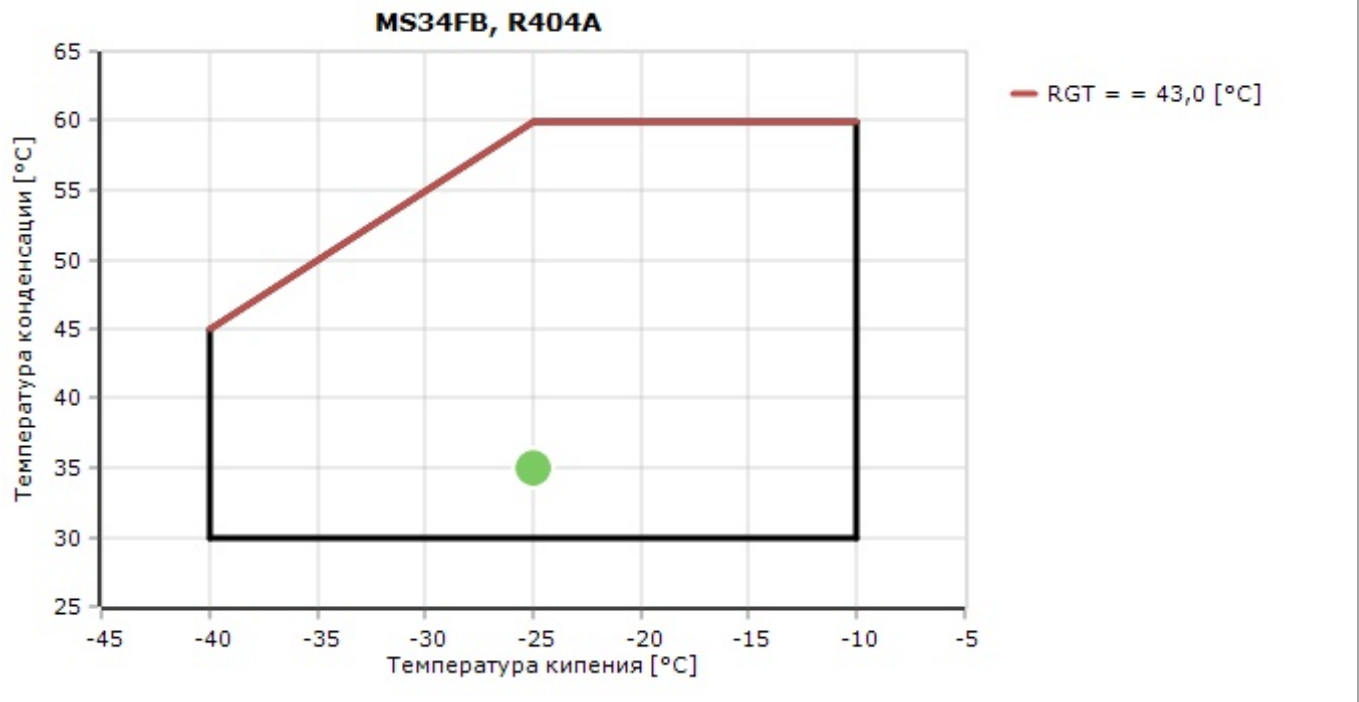


Coolselector2

Envelope



		[°C]	[bar]	[kg/m ³]	[kJ/kg]	[kJ/(kg·K)]
1		-10,0	2,500	11,95	364,8	1,671
2	()	83,4	16,08	62,47	436,6	1,762
2s		35,0	16,08	87,33	379,4	1,589
3s		34,6	16,08	996,3	251,2	1,173
3a		34,1	16,08	999	250,4	1,171
3		34,1	16,08	999	250,4	1,171
4		-25,4	2,500	28,04	250,4	1,211
4s		-25,7	2,500	1242	165,7	0,8697
1s		-25,0	2,500	12,92	351,9	1,621
1a		-18,0	2,500	12,44	357,9	1,645

Dimensions

Total height [mm]	282 mm
Height from baseplate [mm]	276 mm
Suction connection height [mm]	264 mm
Discharge connection height [mm]	83 mm

Electrical Specifications

Frequency [Hz]	50
Low value of nominal voltage at 50Hz [V]	220 V
High value of nominal voltage at 50Hz [V]	240 V
Low value of nominal voltage at 60Hz [V]	0 V
High value of nominal voltage at 60Hz [V]	0 V
Low value of voltage range at 50Hz [V]	198 V
High value of voltage range at 50Hz [V]	255 V
Low value of voltage range at 60Hz [V]	0 V
High value of voltage range at 60Hz [V]	0 V
Main winding resistance for single-phase compressors [Ohm]	2.13 Ohm
No. of phases (compressor)	1
Auxiliary winding resistance (start winding) for single-phase compressors [Ohm]	7.4 Ohm
Winding temperature short term [°C] [Max]	135 °C
Voltage 50Hz [V] [Max]	240 V
Voltage 50Hz [V]	220 V
Winding temperature stat [°C] [Max]	115 °C
MCC	9.00 A
Motor type	CSR
Start capacitor capacitance	88 µF

Run capacitor capacitance	20 μ F
---------------------------	------------

Mechanical Connections

Process connection diameter [mm]	9.65 mm
Suction connection material	Cu-plated steel
Suction connection angle [°]	30 °
Discharge connection material	Cu-plated steel
Process connection material	Cu-plated steel
Discharge connection angle [°]	63 °
Process connection angle [°]	30 °

Oil Data

Oil type	POE
Oil charge [L]	0.89 L
Oil quantity [cm ³]	887 cc

Packaging

Packing format	Single pack
Packing quantity	1

Technical Data

Applications	LBP
Economizer	No
Capacity control	Fixed speed
Configuration code	Single
Swept volume [cm ³]	34.42 cc
Refrigerant charge [kg] [Max]	1.7 kg
Approval standards	CCC;VDE
Sound 1	0 db(A)
Sound 2	0 db(A)

Coolselector2

EN12900/ARI540

20,0 °C

0,0 K

Q W

P W

I A

Te °C

Tc °C

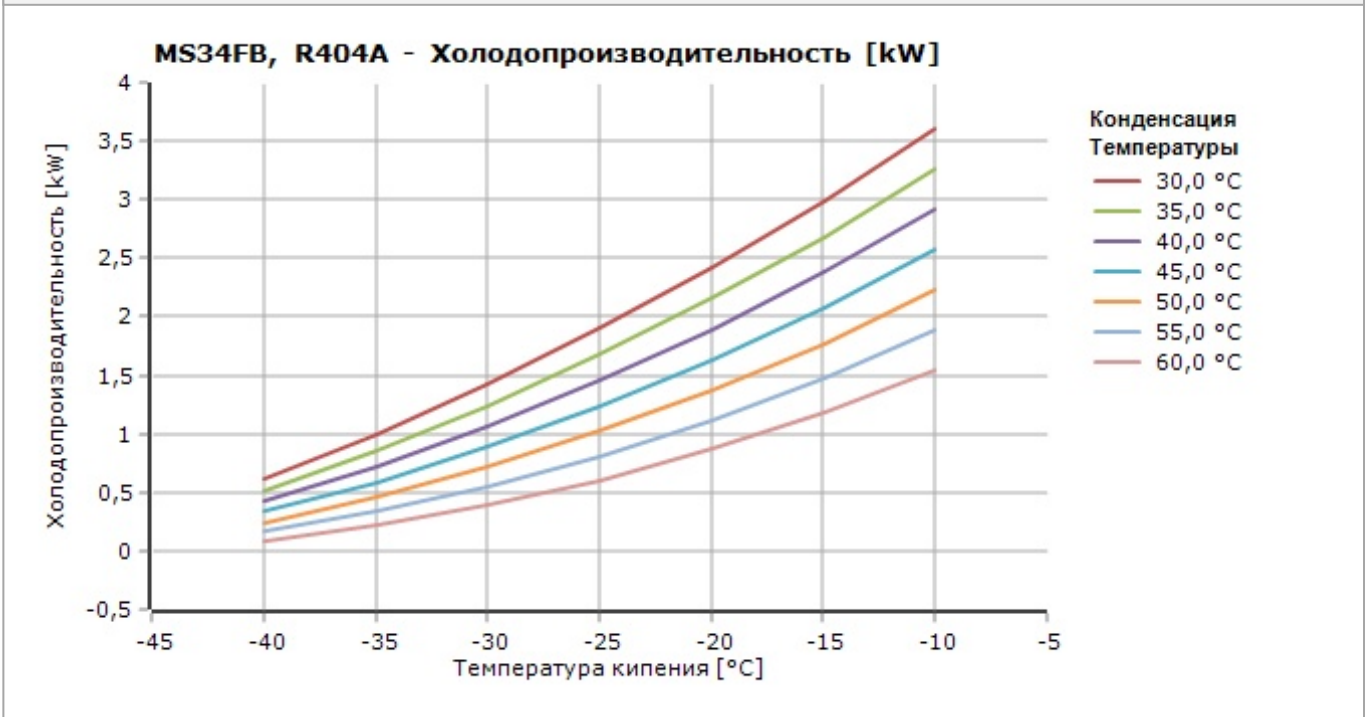
$$Y = C0 + C1*Te + C2*Tc + C3*Te^2 + C4*Te*Tc + C5*Tc^2 + C6*Te^3 + C7*Tc*Te^2 + C8*Te*Tc^2 + C9*Tc^3$$

	Q [W]	P [W]	I [A]
C0	7866,2830571158	1394,1248074672	7,3121881026
C1	196,7850135386	18,3423680464	0,1074893733
C2	-85,3332911288	15,5651875892	0,0711475323
C3	0,8145428566	0,1637826227	0,0013687272
C4	-1,6477686049	0,5296740817	0,0023029708
C5	0	0	0
C6	0	0	0
C7	0	0	0
C8	0	0	0
C9	0	0	0

Coolselector2

MS34FB, R404A -

[kW]



MS34FB, R404A -

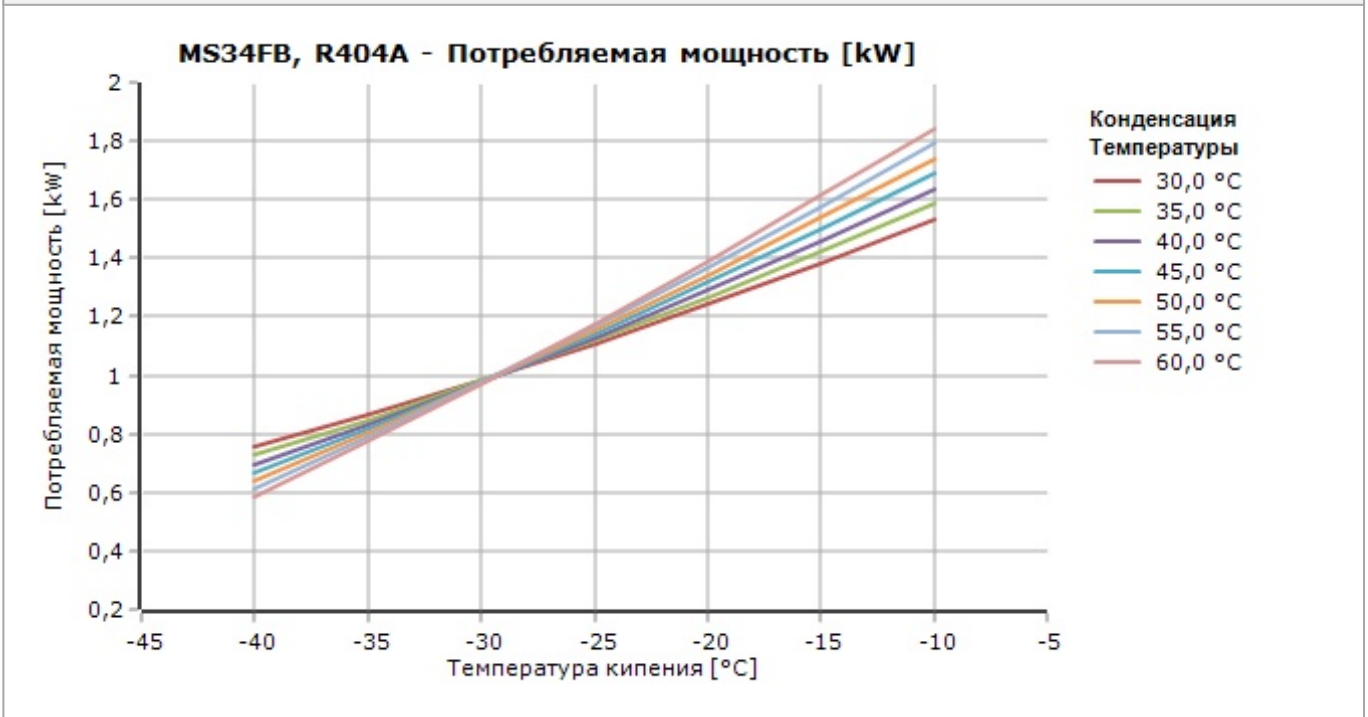
[kW]

Tc\Te	-45,0	-40,0	-35,0	-30,0	-25,0	-20,0	-15,0	-10,0
25,0	-	-	-	-	-	-	-	-
30,0	-	0,612	0,994	1,422	1,897	2,420	2,991	3,610
35,0	-	0,517	0,857	1,242	1,674	2,154	2,683	3,261
40,0	-	0,424	0,721	1,064	1,453	1,891	2,377	2,914
45,0	-	0,334	0,589	0,889	1,235	1,630	2,074	2,569
50,0	-	0,247	0,461	0,718	1,021	1,372	1,773	2,226
55,0	-	0,165	0,337	0,552	0,811	1,119	1,475	1,885
60,0	-	0,088	0,220	0,392	0,608	0,870	1,181	1,546
65,0	-	-	-	-	-	-	-	-

Coolselector2

MS34FB, R404A -

[kW]



MS34FB, R404A -

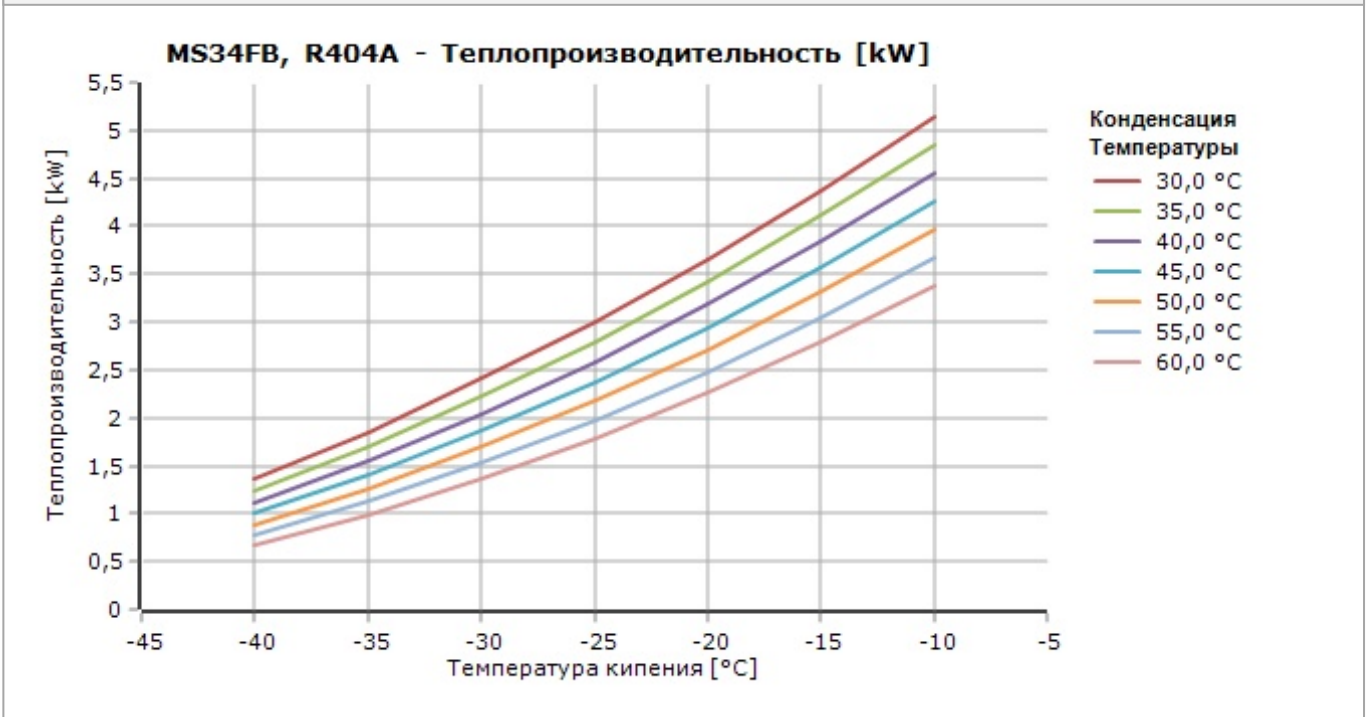
[kW]

Tc\Te	-45,0	-40,0	-35,0	-30,0	-25,0	-20,0	-15,0	-10,0
25,0	-	-	-	-	-	-	-	-
30,0	-	0,754	0,864	0,982	1,108	1,242	1,384	1,535
35,0	-	0,726	0,849	0,980	1,119	1,267	1,423	1,586
40,0	-	0,698	0,834	0,978	1,131	1,292	1,461	1,638
45,0	-	0,669	0,819	0,977	1,142	1,317	1,499	1,689
50,0	-	0,641	0,804	0,975	1,154	1,341	1,537	1,741
55,0	-	0,613	0,789	0,973	1,166	1,366	1,575	1,792
60,0	-	0,585	0,774	0,972	1,177	1,391	1,613	1,843
65,0	-	-	-	-	-	-	-	-

Coolselector2

MS34FB, R404A -

[kW]



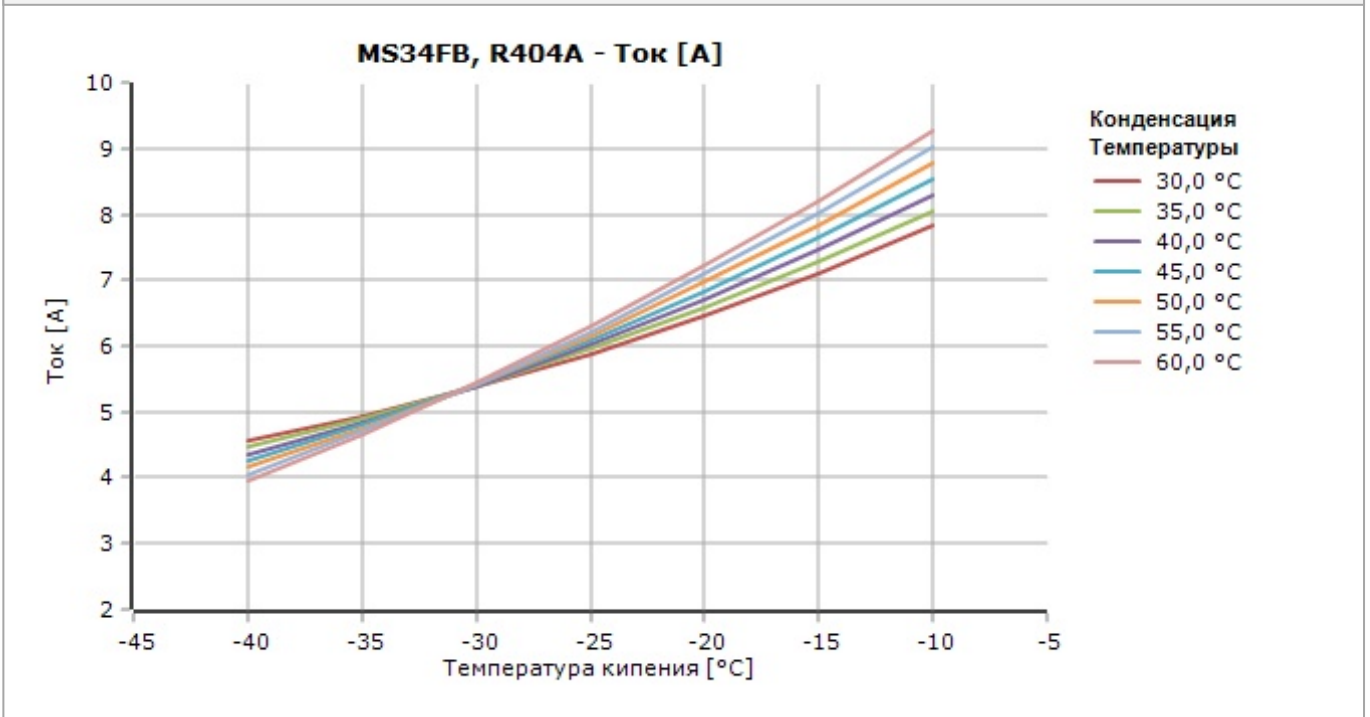
MS34FB, R404A -

[kW]

Tc\Te	-45,0	-40,0	-35,0	-30,0	-25,0	-20,0	-15,0	-10,0
25,0	-	-	-	-	-	-	-	-
30,0	-	1,366	1,858	2,404	3,005	3,662	4,375	5,145
35,0	-	1,242	1,705	2,222	2,793	3,421	4,106	4,848
40,0	-	1,121	1,555	2,042	2,584	3,182	3,838	4,552
45,0	-	1,003	1,408	1,866	2,378	2,946	3,573	4,258
50,0	-	0,888	1,265	1,693	2,175	2,714	3,310	3,966
55,0	-	0,778	1,126	1,525	1,977	2,485	3,050	3,677
60,0	-	0,673	0,995	1,364	1,785	2,261	2,794	3,390
65,0	-	-	-	-	-	-	-	-

Coolselector2

MS34FB, R404A - [A]

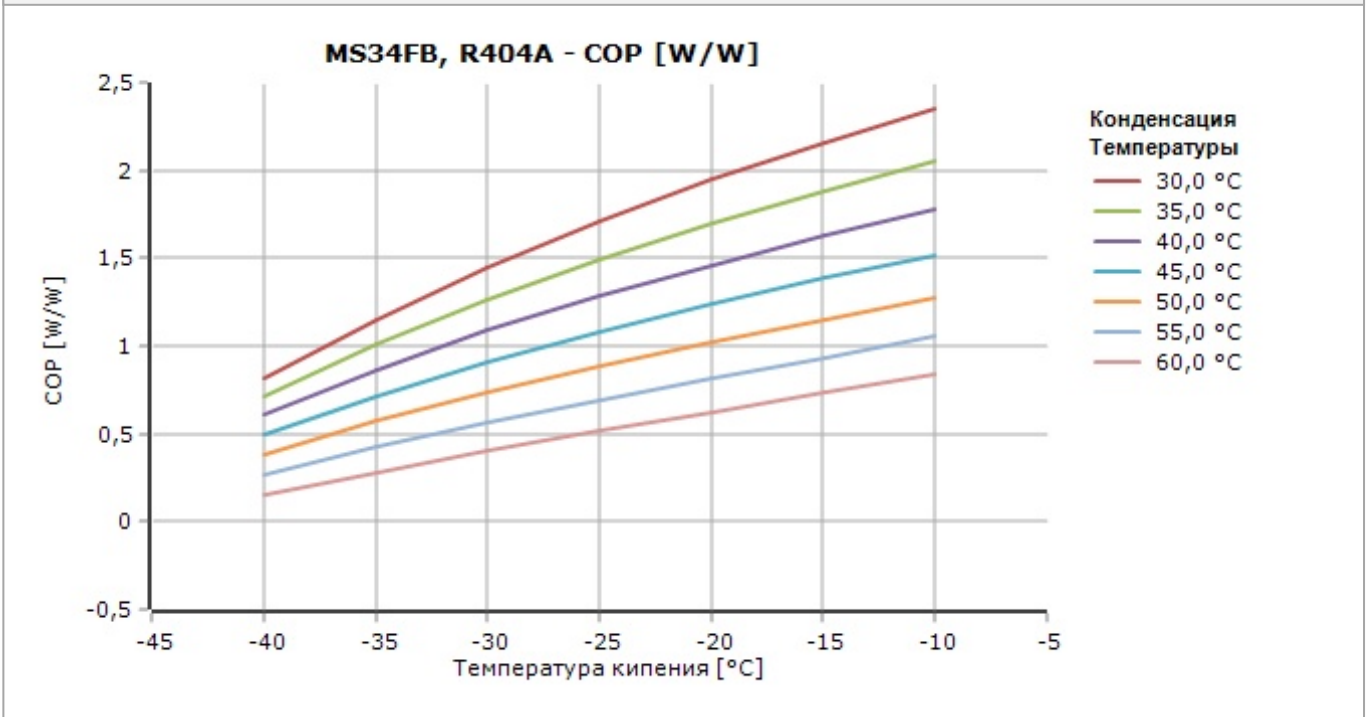


MS34FB, R404A - [A]

Tc\Te	-45,0	-40,0	-35,0	-30,0	-25,0	-20,0	-15,0	-10,0
25,0	-	-	-	-	-	-	-	-
30,0	-	4,573	4,943	5,381	5,888	6,463	7,106	7,818
35,0	-	4,469	4,896	5,391	5,955	6,588	7,289	8,058
40,0	-	4,364	4,848	5,402	6,023	6,713	7,472	8,299
45,0	-	4,259	4,801	5,412	6,091	6,839	7,655	8,539
50,0	-	4,154	4,754	5,422	6,159	6,964	7,838	8,780
55,0	-	4,049	4,707	5,433	6,227	7,090	8,021	9,021
60,0	-	3,944	4,659	5,443	6,295	7,215	8,204	9,261
65,0	-	-	-	-	-	-	-	-

Coolselector2

MS34FB, R404A - COP [W/W]



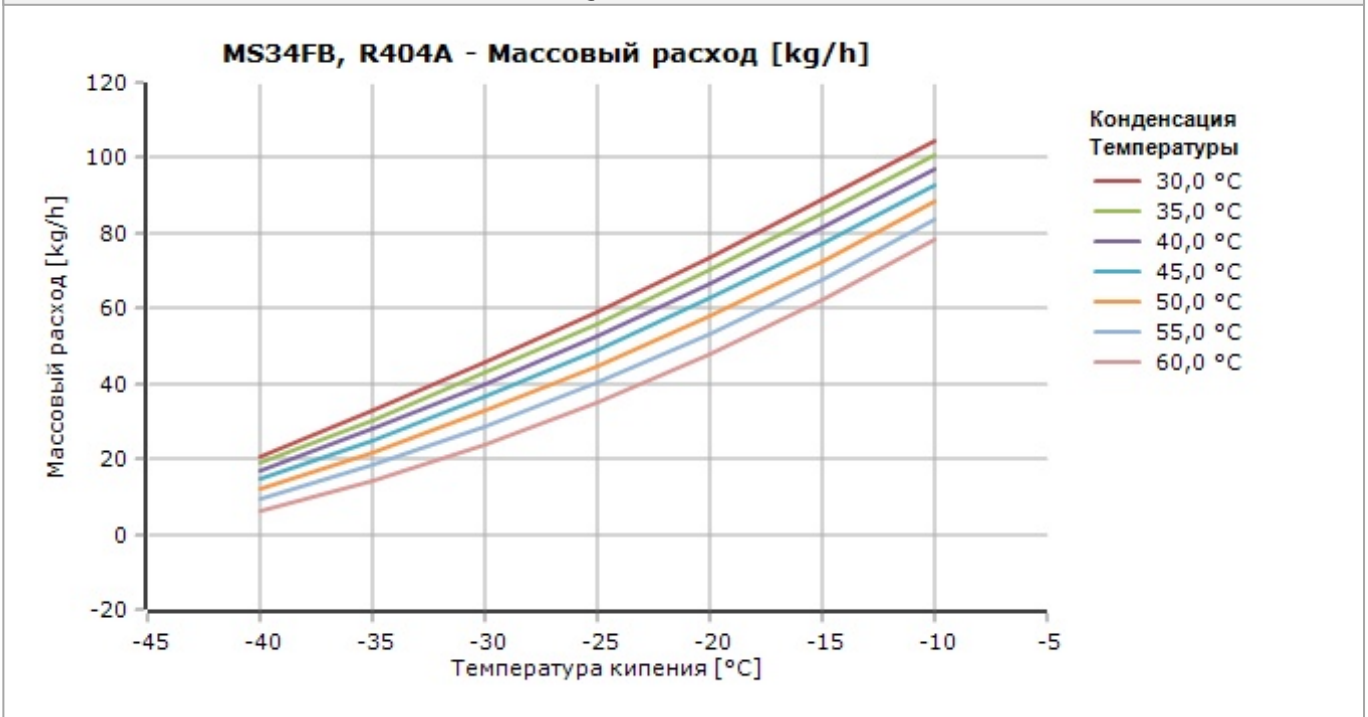
MS34FB, R404A - COP [W/W]

Tc\Te	-45,0	-40,0	-35,0	-30,0	-25,0	-20,0	-15,0	-10,0
25,0	-	-	-	-	-	-	-	-
30,0	-	0,81	1,15	1,45	1,71	1,95	2,16	2,35
35,0	-	0,71	1,01	1,27	1,50	1,70	1,89	2,06
40,0	-	0,61	0,86	1,09	1,28	1,46	1,63	1,78
45,0	-	0,50	0,72	0,91	1,08	1,24	1,38	1,52
50,0	-	0,38	0,57	0,74	0,88	1,02	1,15	1,28
55,0	-	0,27	0,43	0,57	0,70	0,82	0,94	1,05
60,0	-	0,15	0,28	0,40	0,52	0,63	0,73	0,84
65,0	-	-	-	-	-	-	-	-

Coolselector2

MS34FB, R404A -

[kg/h]



MS34FB, R404A -

[kg/h]

Tc\Te	-45,0	-40,0	-35,0	-30,0	-25,0	-20,0	-15,0	-10,0
25,0	-	-	-	-	-	-	-	-
30,0	-	20,74	32,76	45,58	59,21	73,61	88,78	104,7
35,0	-	18,93	30,43	42,82	56,09	70,23	85,21	101,0
40,0	-	16,94	27,87	39,80	52,70	66,56	81,36	97,08
45,0	-	14,72	25,04	36,47	48,98	62,56	77,19	92,86
50,0	-	12,22	21,87	32,76	44,86	58,16	72,65	88,30
55,0	-	9,350	18,26	28,58	40,26	53,30	67,68	83,40
60,0	-	5,973	14,07	23,77	35,04	47,86	62,24	78,17
65,0	-	-	-	-	-	-	-	-