Intermediate Temperature Application - RUAGP421(H/F)(L/1/2/3/5/7)(R)8TR

No	Model Name	(1)	(2)	(3)							(4)	(5)	(6)						(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
		Rated heat output	Seasonal efficiency Include internal pump(EN14511) (Note 1)	Declared capacity for heating/Average climate Include internal pump(EN14511) (Note 1)							Bivalent temperature	Degradation co-effisien	Declared coefficiency of performance for heating/Average Climate Include internal pump(EN14511) (Note 1)						For air-to-water heat pumps: Operation limit temperature	Heating water operating limit temperature	Electric power input				Capacity control	Sound power leve	Rated air flow
		Prated	ηs	Pdh							Tbiv	Cdh	COPd						TOL	WTOL	off mode	andby mo	ermostat-off mo	crankcase heater mode			
				Tj=-7℃	Tj=2℃	Tj=7℃	Tj=12℃	Tj=biv	Tj=OL	Tj=-15			Tj=-7℃	Tj=2℃	Tj=7℃	Tj=12℃	Tj=biv	Tj=OL			Include internal pump(EN14511) (Note 1)						
																					Poff	Psb	Pto	Pck		Lwa	
		kW	%	kW	kW	kW	kW	kW	kW	kW	℃								℃	℃	kW	kW	kW	kW		dBA	m^3/h
1	RUAGP421HL8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
2	RUAGP421HLR8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
3	RUAGP421H18TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
4	RUAGP421H28TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
5	RUAGP421H2R8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
6	RUAGP421H38TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
7	RUAGP421H3R8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
8	RUAGP421H58TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
9	RUAGP421H5R8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
10	RUAGP421H78TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
11	RUAGP421H7R8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
12	RUAGP421FL8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
13	RUAGP421FLR8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
14	RUAGP421F18TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
15	RUAGP421F28TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
16	RUAGP421F2R8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
17	RUAGP421F38TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
18	RUAGP421F3R8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
19	RUAGP421F58TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
20	RUAGP421F5R8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
21	RUAGP421F78TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
22	RUAGP421F7R8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800

(NOTE 1) Capacities and performance values are based on EN14511. The hydraulic power is determined with an external pressure of 0 Pa.

(NOTE 2) This unit is certified in the Eurovent Certita Certification programme only at 400V, 3-phase, 50 Hz supply conditions.

(NOTE 3) The certified standard performances and the certified selection software version can be verified in www.eurovent-certification.com/.

(NOTE 4) This unit is certified in the LCPHP Programme of Eurovent Certita Certification, with its allowed component options as per the TCR document in force at all the conditions with a fouling factor of 0 m2K/kW (except ISEER) and with no antifreeze solution (except MT andLT Process Chiller applications when certified).

Intermediate Temperature Application - RUAGP421(H/F)(L/1/2/3/5/7)N(R)8TR

No	Model Name	(1)	(2)	(3)							(4)	(5)	(6)						(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
		Rated heat output	Seasonal efficiency Include internal pump(EN14511) (Note 1)	Declared capacity for heating/Average climate Include internal pump(EN14511) (Note 1)							Bivalent temperature	Degradation co-effisien	Declared coefficiency of performance for heating/Average Climate Include internal pump(EN14511) (Note 1)						For air-to-water heat pumps: Operation limit temperature	Heating water operating limit temperature	Electric power input				Capacity control	Sound power leve	Rated air flow
				Pdh									COPd								off mode	andby mo	ermostat-off mo	crankcase heater mode Include internal pump(EN14511) (Note 1)			
		Prated	ηs	Tj=-7℃	Tj=2℃	Tj=7℃	Tj=12℃	Tj=biv	Tj=OL	Tj=-15	Tbiv	Cdh	Tj=-7℃	Tj=2℃	Tj=7℃	Tj=12℃	Tj=biv	Tj=OL	TOL	WTOL	Poff	Psb	Pto	Pck		Lwa	
		kW	%	kW	kW	kW	kW	kW	kW	kW	℃								℃	℃	kW	kW	kW	kW		dBA	m^3/h
1	RUAGP421HLN8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
2	RUAGP421HLNR8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
3	RUAGP421H1N8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
4	RUAGP421H2N8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
5	RUAGP421H2NR8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
6	RUAGP421H3N8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
7	RUAGP421H3NR8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
8	RUAGP421H5N8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
9	RUAGP421H5NR8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
10	RUAGP421H7N8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
11	RUAGP421H7NR8TR	150	125	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.75	3.25	3.39	3.38	2.55	2.55	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
12	RUAGP421FLN8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
13	RUAGP421FLNR8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
14	RUAGP421F1N8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
15	RUAGP421F2N8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
16	RUAGP421F2NR8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
17	RUAGP421F3N8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
18	RUAGP421F3NR8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
19	RUAGP421F5N8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
20	RUAGP421F5NR8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
21	RUAGP421F7N8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800
22	RUAGP421F7NR8TR	150	123	103.0	62.7	40.3	17.9	116.4	116.4	-	-10	0.9	2.72	3.18	3.39	3.38	2.52	2.52	-10	55	0.000	0.239	1.066	0.239	variable	88	73,800

(NOTE 1) Capacities and performance values are based on EN14511. The hydraulic power is determined with an external pressure of 0 Pa.

Low Temperature Application - RUAGP421(H/F)(L/1/2/3/5/7)(N)(R)8TR

No	Model Name	(1)	(2)		(3)														(4)	(5)	(6)							(6)							(7)	(8)	(9)	(10)	(11)			(12)	(13)	(14)	(15)
		Rated heat output	Seasonal efficiency		Declared capacity for heating/Average climate														Bivalent temperature	Degradation co-effisient	Declared coefficiency of performance for heating/Average Climate							Declared coefficiency of performance for heating/Average Climate							For air-to-water heat pumps: Operation limit temperature	Heating water operating limit temperature	off mode	standby mode	Electric power input			crankcase heater mode	Capacity control	Sound power level	Rated air flow
			Not include internal pump	Include internal pump(EN14511) (Note 1)	Not include internal pump Pdh						Include internal pump(EN14511) (Note 1) Pdh										Not include internal pump COPd							Include internal pump(EN14511) (Note 1) COPd											thermostat-off mode						
		Prated	ηs	ηs	Tj=-7℃	Tj=2℃	Tj=7℃	Tj=12℃	Tj=biv	Tj=OL	Tj=-15	Tj=-7℃	Tj=2℃	Tj=7℃	Tj=12℃	Tj=biv	Tj=OL	Tj=-15	Tbiv	Cdh	Tj=-7℃	Tj=2℃	Tj=7℃	Tj=12℃	Tj=biv	Tj=OL	Tj=-7℃	Tj=2℃	Tj=7℃	Tj=12℃	Tj=biv	Tj=OL	TOL	WTOL	Poff	Psb	Not include internal pump Pto	Include internal pump(EN14511) (Note 1) Pto	Pck		Lwa	Rated air flow
		kW	%	%	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	℃													℃	℃	kW	kW	kW	kW	kW		dBA	m^3/h
1	RUAGP421HL8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
2	RUAGP421HLN8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
3	RUAGP421HLR8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
4	RUAGP421HLNR8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
5	RUAGP421H18TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
6	RUAGP421H1N8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
7	RUAGP421H28TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
8	RUAGP421H2N8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
9	RUAGP421H2R8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
10	RUAGP421H2NR8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
11	RUAGP421H38TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
12	RUAGP421H3N8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
13	RUAGP421H3R8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
14	RUAGP421H3NR8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
15	RUAGP421H58TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
16	RUAGP421H5N8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
17	RUAGP421H5R8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
18	RUAGP421H5NR8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
19	RUAGP421H78TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
20	RUAGP421H7N8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
21	RUAGP421H7R8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
22	RUAGP421H7NR8TR	150	168	156	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.29	4.09	4.29	4.21	3.01	3.01	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
23	RUAGP421FL8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
24	RUAGP421FLN8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
25	RUAGP421FLR8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
26	RUAGP421FLNR8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
27	RUAGP421F18TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
28	RUAGP421F1N8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
29	RUAGP421F28TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
30	RUAGP421F2N8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
31	RUAGP421F2R8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
32	RUAGP421F2NR8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
33	RUAGP421F38TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
34	RUAGP421F3N8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
35	RUAGP421F3R8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
36	RUAGP421F3NR8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
37	RUAGP421F58TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
38	RUAGP421F5N8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
39	RUAGP421F5R8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
40	RUAGP421F5NR8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
41	RUAGP421F78TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
42	RUAGP421F7N8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
43	RUAGP421F7R8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800
44	RUAGP421F7NR8TR	150	168	153	103	63.2	40.9	17.5	117	117	-	104.2	63.4	40.8	18.1	117.7	117.7	-	-10	0.9	3.38	4.3	4.73	5.23	3.07	3.07	3.25	3.96	4.29	4.21	2.98	2.98	-10	55	0.000	0.239	1.832	1.066	0.239	variable	88	73,800

(NOTE 1) Capacities and performance values are based on EN14511. The hydraulic power is determined with an external pressure of 0 Pa.