Comparison table ARE/AREX 5 Series
Heating Magnetic Stirrer






		ARE 5	AREX 5	AREX 5 Digital	AREX 5 Advance
User interface		Analog	Analog	Digital	Digital
Housing material		Epoxy painted aluminum structure	Epoxy painted aluminum structure	Epoxy painted aluminum structure	Epoxy painted aluminum structure
Plate material		Aluminum alloy	CerAlTop™	CerAlTop™	CerAlTop™
Plate dimension	mm	Ø 135	Ø 135	Ø 135	Ø 135
	in	Ø 6.1	Ø 6.1	Ø 6.1	Ø 6.1
Stirring volume		up to 15 L	up to 20 L	up to 20 L	up to 25 L
Stirring speed range		100 - 1500 rpm	100 - 1500 rpm	50 - 1500 rpm	30 - 1700 rpm
Motor		Brushless	Brushless	Brushless	Brushless
Torque compensation		SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™
Temperature range		Room Temp. to 310	Room Temp. to 310	Room Temp. to 310	Room Temp. to 310
External sensor connection		-	VTF	VTF Pt100, Pt1000	VTF Pt100, Pt1000
Thermoregulation range		-	Room Temp. to 300 (VTF)	Room Temp. to 300 (VTF) Room Temp. to 310 (Pt100, Pt100)	Room Temp. to 300 (VTF) Room Temp. to 310 (Pt100, Pt100)
Thermoregulation accuracy			± 0.5 °C (VTF)	± 0.5 °C (VTF) ± 1.0 °C (Pt100, Pt100)	± 0.5 °C (VTF) ± 1.0 °C (Pt100, Pt100)
Timer		-	-	-	Yes (1 s - 99 h 59 min)
Autoreverse		-	-	-	Yes (5 s - 99 h 59 min)
Intermittent mode		-	-	-	Yes (5 s - 99 h 59 min)
Settable rotation direction		-	-	-	Yes: clockwise and counterclockwise
Viscosity trend measurement		-	-	-	Yes
Ramps		-	-	-	Up to 9 temperatures, up to 9 speeds
Hot plate warning system		Illuminated icon (temperature > 50 °C)	Illuminated icon (temperature > 50 °C)	On Display (temperature > 50 °C)	On Display (temperature > 50 °C)
Safety lock		-	-	-	Yes
Connectivity		-	-	-	Ermes Cloud Platform via Wi-Fi CotrollerSoft™ software via USB-C PC and pendrive via USB-C
Protection class		IP 42	IP 42	IP 42	IP 42
Power input		630 W	630 W	630 W	630 W
Weight	kg	1.9	1.9	1.9	1.9
	lb	4.1	4.1	4.1	4.1
Dimensions (WxHxD)	mm	160x85x270	160x85x270	160x85x270	160x85x270
	in	6.3x3.3x10.6	6.3x3.3x10.6	6.3x3.3x10.6	6.3x3.3x10.6

DOMINIQUE DUTSCHER SA